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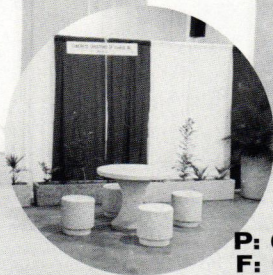
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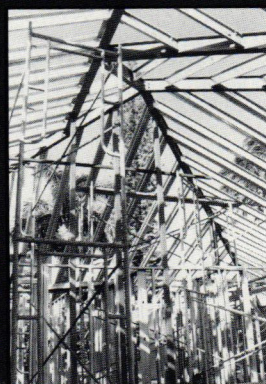


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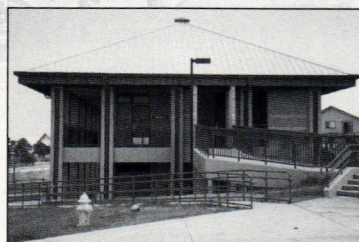
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IN THIS ISSUE ...

Recent Hawaii public school projects display more user-friendly designs. Architects are listening to administrators, teachers and students to create comfortable and attractive learning environments. The Department of Education design charette process, used for the most recent projects, is helping facilitate a team-based approach.

COVER: AM Partners received a 1997 AIA Honolulu Design Award of Excellence for the construction of a new library and cafeteria at Halei Elementary School. Photo by Augie Salbosa

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5 Schools for the 21st Century



20 AIA Honolulu 1997 Design Award



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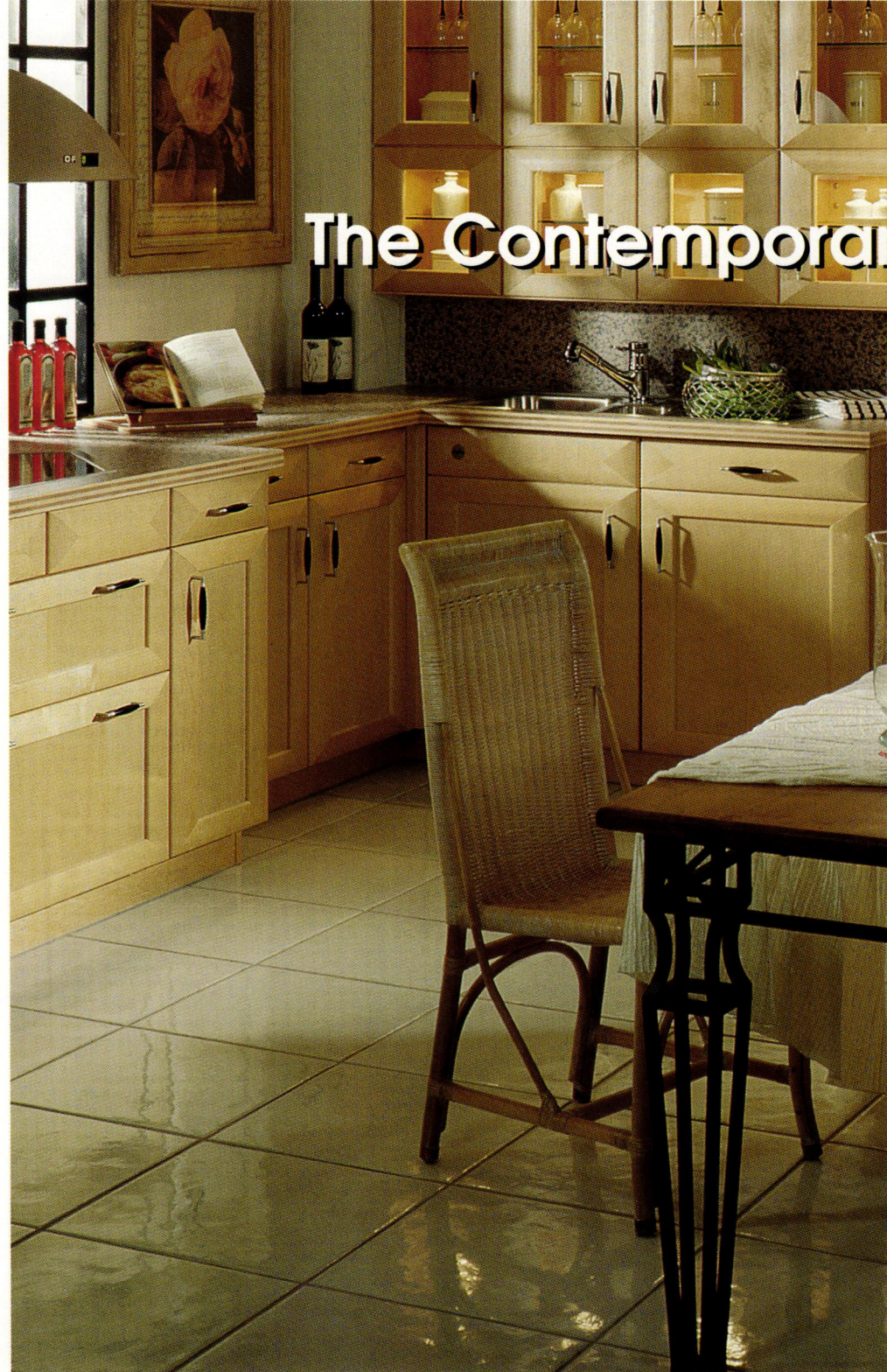
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included in this issue

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Architects present recent school design projects

Schools for the 21st Century

Recent projects for public elementary, middle and high schools in Hawaii incorporate user-friendly designs that benefit teachers, administrators and the students themselves. *Hawaii Pacific Architecture* magazine asked local architectural firms to provide examples of recent school projects throughout the state. Their responses follow.

Kapaa Middle School AM Partners

by Brian Takahashi

The design objectives of Kapaa Middle School were to create a friendly, attractive, "not jail-like" appearance, with abundant "hangout" places and maximum use of tropical design features. Creative patterns, colors and textures were used with the common design materials to enhance the design of the classrooms.

The fire lane was saw-cut and the concrete stained in a multicolored tapa pattern that presents an attractive pedestrian mall. The built-in seat walls in the courtyard, outside each cluster of classrooms, provide a friendly space for social interaction.

The buildings were designed to produce a village-like ambiance with lower windows allowing more visual connection with the public areas.

Finally, the "not jail-like" appearance ob-



Kapaa Middle School

Photo by Augie Salbosa

jective was achieved through using smaller awning windows in lieu of the standard security screens. Decorative motif grilles on low vinyl jalousie windows provide additional security without compromising aesthetics.

(Continued)

King Kekaulike High School GYA Architects, Inc.

by Durwin A. Kiyabu, AIA

King Kekaulike High School is on the slopes of Haleakala on 50 acres with grades ranging from 4.5 to 16 percent.

The project location created difficulties in complying with the Americans with Disabilities Act (ADA) Accessibility Guidelines. The master plan called for the classroom buildings to run in rows perpendicular to the slope. Access between buildings

on different rows created problems because of the varying grade differences.

Normally ramps would be used, but because of the limited space between certain buildings and the need for covered walkways, a system of elevators combined with stairs was used throughout the site to provide accessibility. These stair and elevator towers were their own



King Kekaulike High School

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structures between or adjacent to the buildings. This allowed the stairs and elevators to be used to access the entire campus without having to enter any of the buildings. The independent tower also allowed each building to share vertical circulation, thus reducing the number of elevators needed.

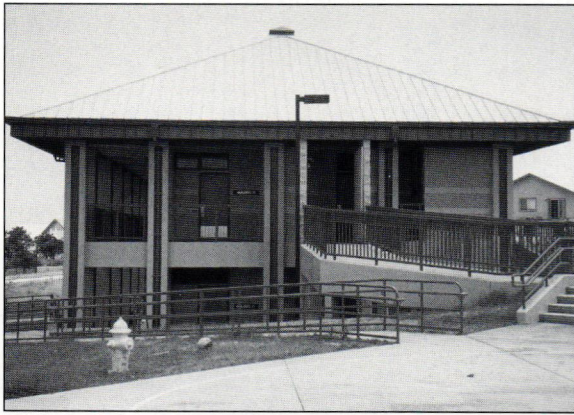
The campus was designed to complement the community's rural character. Classroom buildings were limited to two-story structures. Other design elements were hip and gable roof forms, jalousie window fenestration and lanais. Every building is connected with covered walkways wherever possible.

Waikoloa Elementary School Oda/McCarty Architects, Ltd.

by Ken Melrose

In 1990, Waikoloa did not exist in the improvement matrix of the Department of Education (DOE). So a group of parents, community members and the Waikoloa Land Company began a process to justify the need for a school.

A real estate transaction agreement was consummated wherein Waikoloa Land Company, with the financial support of First Hawaiian Bank, would design and build Increment 1 of the school on a turnkey basis under the guidance of DOE and DAGS. With a fixed budget and a firm occupancy date, Oda/McCarty Architects, Ltd. began design in 1992. M. Sonomura Contracting Co. began construction in June 1993.



Waikoloa Elementary School

Increment 1 work included the mass grading and utility infrastructure for the master plan scenario to accommodate 825 students. Sixteen classrooms in four buildings and the administration building were built around the main playfield, with beautiful views of the Kohala Coast. M. Sonomura proposed to pre-cast the main supporting columns, offering both time and cost savings, which allowed for the additions of fiber-optics within the scope of the initial work.

With the land conveyed to the state, subsequent increments are being built through conventional DOE and Department of Accounting and General Services (DAGS) processes.

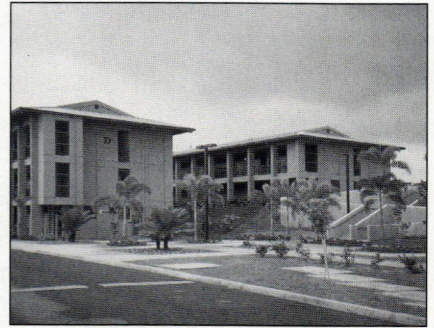
Kealakehe High School
Oda/McCarty Architects, Ltd.
 by S. Russell Oda, AIA

The master plan for Kealakehe High School was nearly completed when endangered species plants were discovered. Attempts to include the plants as part of the campus were abandoned as preservation areas encroached on lands required for buildings.

A second master plan was designed on a larger parcel (50.2 acres) west of the original site. This new land was as challenging as the first site with steep slopes (125-foot grade differential), views, wind/sun

orientation, fire lanes and ADA requirements. Meetings with DAGS, DOE, the community and the consultant team resulted in a workable master plan with incremental project phasing. General grading was awarded to Goodfellow Brothers.

The first increment, which included site work; three classroom buildings; administration, library and locker/shower buildings and cafetorium, was built by Fletcher Pacific Construction. Fletcher Pacific also initiated a bonding session with DAGS, DOE and the consultants. A smooth working relationship was established with weekly



Kealakehe High School

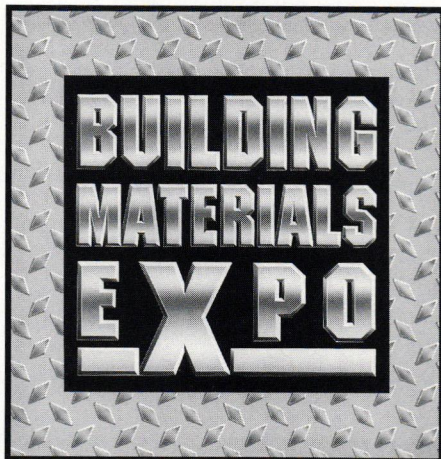
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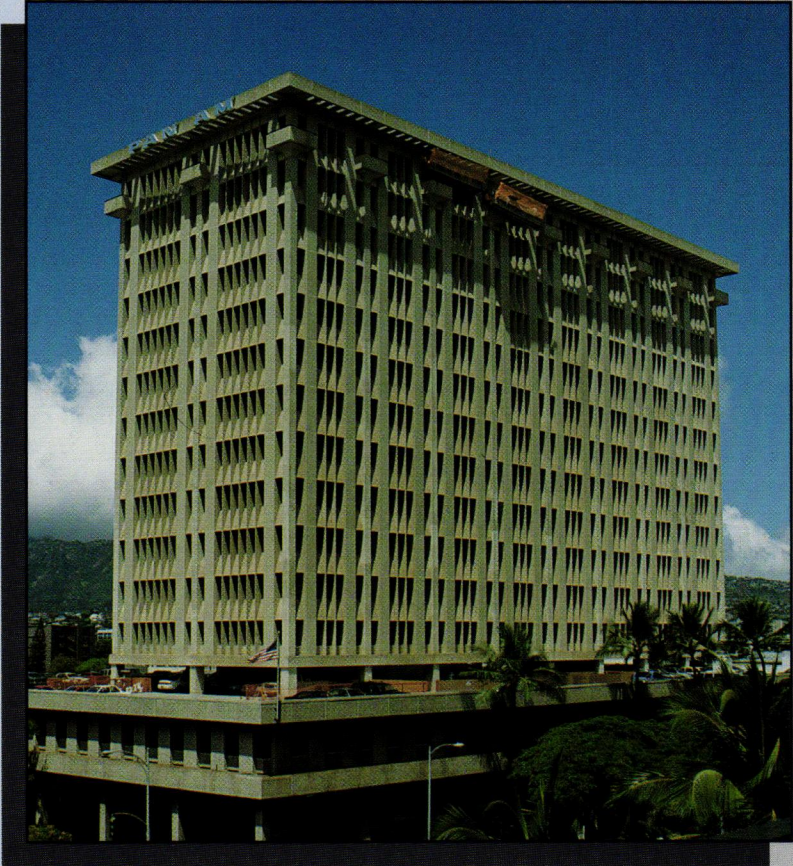
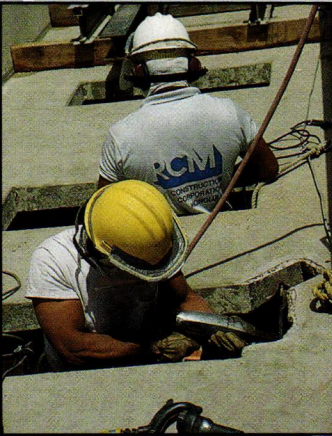


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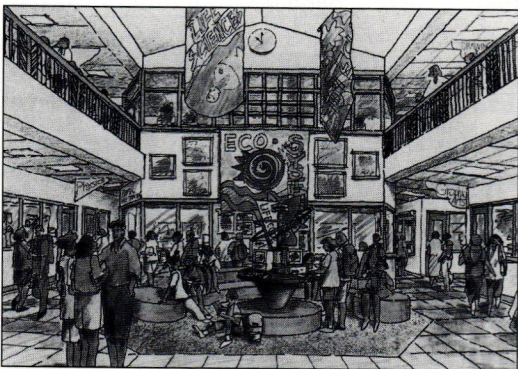
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progress meetings. The construction schedule was met and the school opened in September 1997.

Kapolei High School Mitsunaga & Associates, Inc. by Peggy Kusano

Students, parents, teachers and community members participated in a series of design charette sessions for Kapolei High School. They helped design a school that would personalize the students' learning experiences.

The village is a metaphor for the campus, with public areas like the



Kapolei High School

"Village Plaza" and central "Village Green" leading to private areas such as the classrooms.

"Neighborhood Houses" are organized into family pods that provide a variety of learning environments – from an open central work space to individual workstations, and a central commons for displaying student achievements.

The media center is the technological hub of the school, with a "cyber cafe," radio station, video production/editing room and library resources, and an integrated community education school with shared facilities.

The "Forum" is the social center of the school with a dining area and stage. Also included are a student activities center and store.

Kapolei High School is being developed by Makai Village Partnership and will be built in two increments. The first is scheduled to be ready in the year 2000 for 1,800 students.

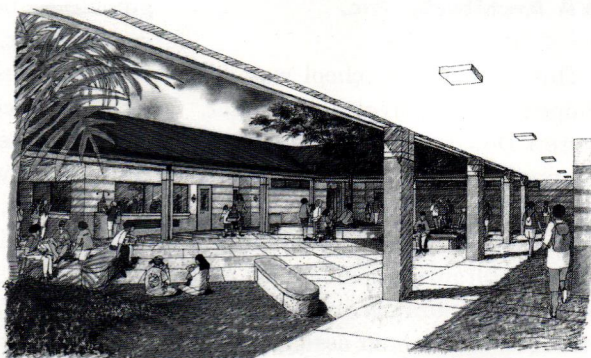
Kapolei Middle School Mitsunaga & Associates, Inc. by Peggy Kusano

Kapolei Middle School was shaped through a design charette process, with a curriculum and architectural design emphasizing culture, science and technology.

A cultural center with a cafetorium, music and dance studio/stage facilities and an amphitheater will serve as a gathering place for students. A science and technology center will provide exploratory spaces for art, science, business, computer and industrial technology, and family and consumer sciences.

The library media center, with library, computer and video facilities and a multi-ethnic collections room, will

be shared with adults attending evening classes. Classroom "houses" with movable walls will offer flexible learning environments and ex-



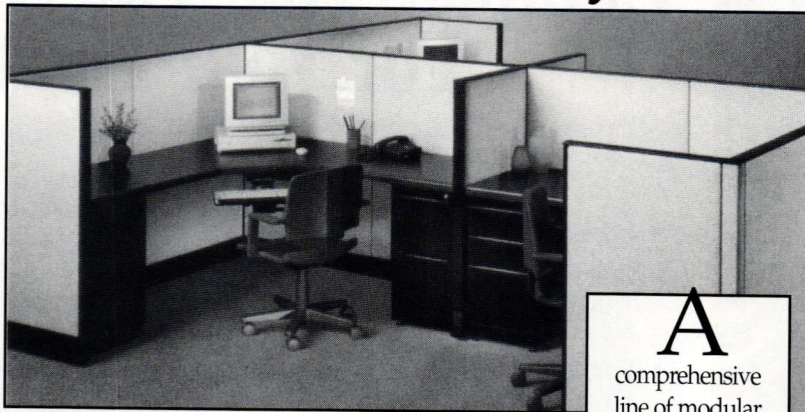
Kapolei Middle School

hibit areas for students' artwork and projects, with courtyards and front porches where students can socialize.

An architectural style inspired by Ewa plantation villages will foster a nurturing environment. The park-like campus will feature a central courtyard, gardens and outdoor performance areas.

Developed by Makai Village Partnership, the \$40 million school

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Kamali'i Elementary School **GVA Architects, Inc.**

by Eric Taniguchi, AIA

This elementary school was developed by a private developer, Everett Dowling of Maui, who saw an opportunity to assist the growing community of Kihei.

The project team included the design consultants, members of the DOE facilities branch and a general contractor who would assist in cost evaluation and value engineering,

not done in typical state procurement contract and bid policies.

Though the project team followed construction document preparation guidelines, because this was a "private" project, the typically required review process was eliminated. The review process instead included one-day meetings with DOE officials and the newly-formed Kihei School Task Force, comprised of teachers and parents. These meetings allowed the consultants to immediately answer questions, facilitating the project's progress.

In the conceptual design phase,

it was decided that concrete tilt-up construction would be used. This method of construction requires a certain dimensional module and a high degree of coordination among the various trades and specialties.

The school consists of six buildings

which house 36 classrooms, teacher station facilities, faculty centers, a library, computer resource center, cafeteria and administration offices. The 12-acre campus includes a multi-purpose playfield, outdoor basketball/play court and playground area.

Mililani Middle School **The Orcutt Winslow Partnership** **Kajioka Okada Yamachi Architects**

by Brenda Lowrey, AIA

The design charrette including DAGS, DOE, and the Mililani Complex School/Community Based Management (SCBM) Committee provided the opportunity to design this school using an interactive planning process.

The goal of the charrette was to translate middle school educational philosophy into the physical design of the campus. Two architects from The Orcutt Winslow Partnership facilitated the charrette, leading group discussions. These discussions were followed by drawings prepared by



Kamali'i Elementary School

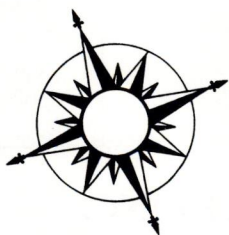
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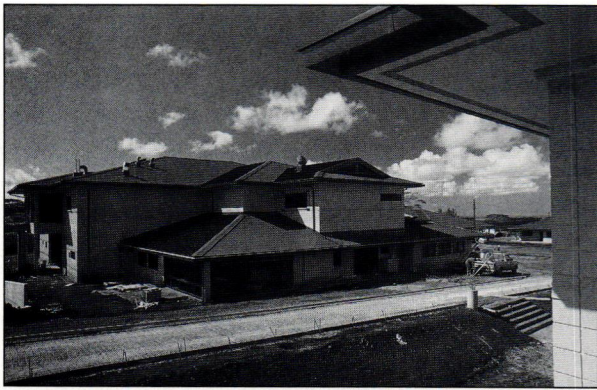
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Mililani Middle School

Kajioka Okada Yamachi Architects.

A major functional relationship was the grouping of classrooms into "houses." Each classroom house includes spaces for both large and small group meetings and a planning area to support interdisciplinary teaming among the faculty.

Grouping specialty classrooms and the library/resource center into an exploratorium/media center facility encourages interaction and hands-on study opportunities. The central location of this facility emphasizes the importance placed on exploratory learning.

The cafeteria is a multi-purpose building with music facilities and a student center. The outdoor amphitheater resulted from requests by students involved in the charette to have a central gathering space and outdoor eating areas.

Aikahi Elementary School PLA Incorporated

by Paul H. W. Louie, AIA

The project assignment was to construct a new 2,862 square-foot administration building, expand the library by 1,620 feet and renovate the temporary administration offices into two classrooms. Little did the architects, Paul Louie and Associates, Inc. (PLA), know that they would be involved in a very atypical DAGS project. This project was being monitored by the State Legislature as a model for community-based school design and in-

volvement. PLA was informed of the requirement to work within a very tight time schedule and low budget, and to work very closely with DAGS, DOE, school staff and the Aikahi Task Force.

The new administration building was designed and sited adjacent to the existing library to form an entry courtyard which could be used for student gatherings. The partially-covered courtyard was designed to accommodate the annual school fair. A large, open-style administrative office, multi-purpose rooms and computer room were also included in the design.

Due to budgetary constraints, the city agreed not to require a parking lot expansion. Also, the State Commission on Persons with Disabilities agreed that a new handicap access/loading zone area was not required at the time.

Due to the existing very poor soils, the designers also received approval from DAGS to use a lighter building system. The new administration building would be a

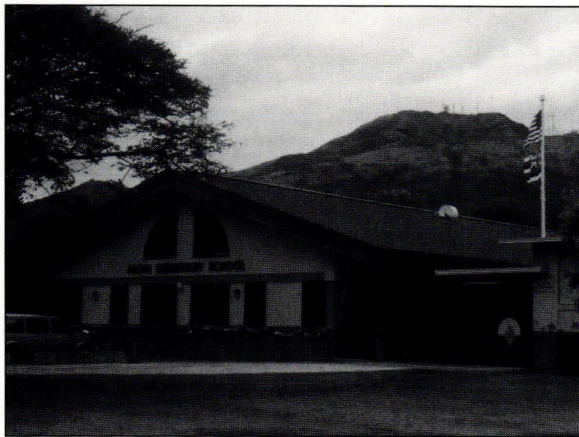
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Aikahi Elementary School

modified steel "Butler" building system of steel posts, steel beams and metal purlins. The roof would be 3/4-inch plywood sheathing, roofing paper and asphalt shingles. The exterior building wall would be reinforced 8-inch CMU block up to only 3 or 4 feet (for durability and ease of maintenance) and metal studs with

"Sto panzer mesh." Interior walls were metal studs with 5/8-inch type "X" gypsum board. The library concrete expansion was designed to be compatible with the existing library structural systems and building form.

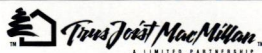
Kea'au High School Kober Hanssen Mitchell Architects

by John Toguchi

The DOE Hawaii District has committed to the "Career Path Academies" concept. Six academies integrate academics with career-relevant vocational training. The career paths established for Kea'au High School were industrial and engineering technology, and natural resources.

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Kea'au High School (under construction)

sizes. Site planning recognizes the academy concept by separating the academies to address noise abatement and ease of accessibility.

The property was purchased from W. H. Shipman, Ltd., who offered to sell a portion of a 75-acre parcel to the state. A natural drainage way crosses the site which reduced the contiguous buildable area of less than the programmed 50 acres. In the end, 5 acres of buildable area was purchased from W. H. Shipman and the natural drainage way (an additional 13 acres) was donated to the state. The drainage way and other site portions offer open land to develop agriculturally-based projects.

(Continued on page 1)

Designing schools with the DOE charette process

Team-Based Architecture

by Theron "Nick" Nichols

The Department of Education's (DOE) charette process, first used for Kapaa Middle School completed in 1997, is a series of meetings which bring all the parties (administration, teachers, district and state personnel, parents, community members and the design team) involved in the design of a school together for communication and decision-making.

Typically one to three charettes are scheduled for development of concept drawings. Each charette normally lasts one week with two to four weeks in between for the consultant to prepare pre-schematic design drawings for the next charette.

To date, the charettes are led by educational facilitators, who are

architects with expertise in the development of educational facilities. The facilitator is important in maintaining the desired schedule and insuring that all participants' needs are discussed.

Decision Makers Selected

A steering committee is formed from the respective role groups. It becomes the decision-making body and communicates the progress of the project to the respective groups the members represent.

The steering committee and district should have an educational program for the school determined before the charette starts. The more developed the program is, the faster it can be translated into an architectural facility.

Conceptual design drawings consist of site plans and floor plans drawn to scale showing the agreed-upon functional relationships of spaces for the school facilities. Pre-schematic design elevations are also provided to suggest mass and character.

Once the scope is confirmed and the funding identified, the project proceeds into schematic, preliminary and prefinal drawings. Meetings are held at each phase with the steering committee to insure the design honors the concepts established in the charette.

Having all role groups present also provides opportunities to quickly investigate matters from many perspectives, typically lead-

(Continued on page 14)

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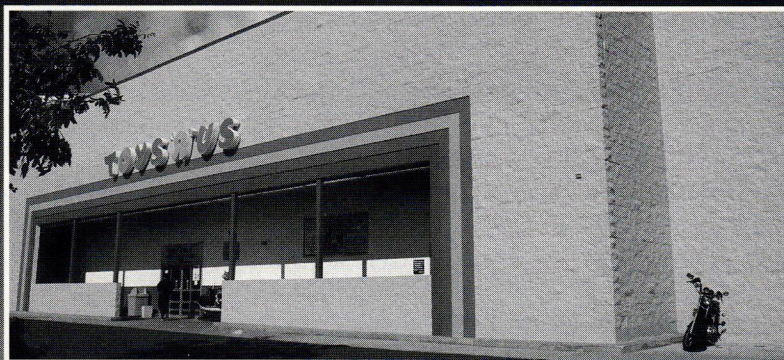
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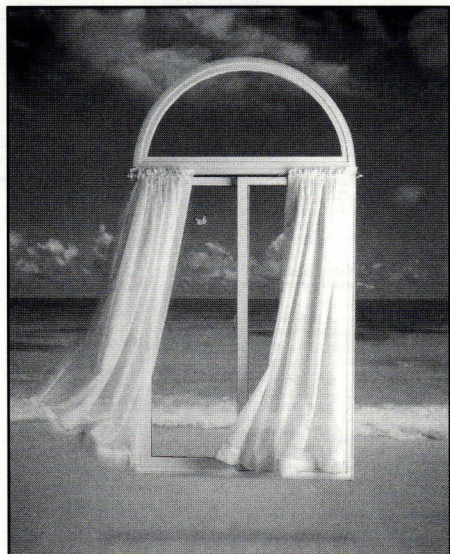
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which benefits career education and is an identifier for the school.

For many, Kea'au is identified with sugar cane production and the Ola'a Plantation. The architectural design respects local history but also recognizes the need for a school for the 21st century. The general structure has a minimum service life of 50 years. Primary building materials are masonry and steel with roofing of preformed metal. The buildings will be a family of buildings that are related yet have individual personalities, similar to a plantation village.

Team-Based Architecture

Continued from page 13

ing to stronger overall design decisions.

Charette Results

With five projects completed through the charette process, DOE notes that if more accurate information is obtained about on- and off-site issues prior to the start of the charette, the concept drawings will be more implementable. These issues include accurate site boundaries, topographical data, information about the soil and drainage conditions, availability of utilities easements, traffic concerns and use of the surrounding land. The charette process would then typically include the master planning and first increment design as on project. This process has typically saved nine to 12 months in the timeline.

The charette process requires cooperative effort. Based on the results thus far, DOE plans to continue to use the charette process for the development of new schools with the cooperation of county agencies and the community.

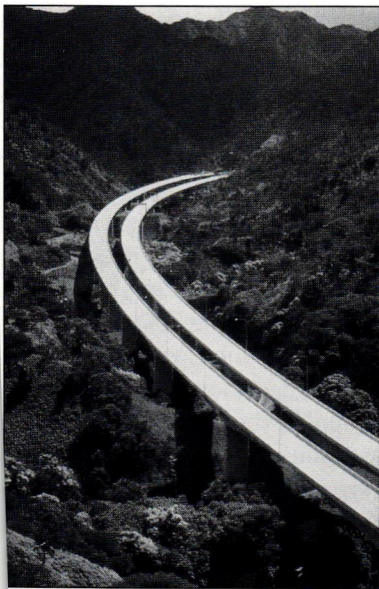
Theron "Nick" Nichols is an architect and facilities planner with the Facilities and Support Services Branch of the Department of Education for the State of Hawaii.

Consulting engineers receive awards for excellence

Hawaii Engineers Honored

by Jessica Lipscomb Gehle

Local engineering firms recently received awards for excellence from the Consulting Engineers Council of Hawaii (CECH). Among the firms honored was Parsons Brinckerhoff Quade & Douglas, Inc., which received the Grand Conceptor Award for the H-3 project and went on to receive an Honor Award from the American Consulting Engineers Council at ACEC's national convention in May.



H-3 Freeway Parsons Brinckerhoff Quade & Douglas

The largest construction project in Hawaii's history, H-3 is 16 miles long and four lanes wide.

Engineers ensured the project's environmental sensitivity by the high alignment of the tunnel to avoid draining water resources that feed

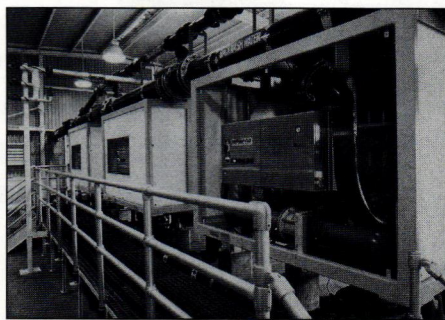
Honolulu's water supply, the viaducts' long-span design and cantilever construction method to minimize disruption to vegetation, and the use of specially-colored gray concrete for the tunnel portals to complement surrounding natural rock outcroppings.

H-3 also posed difficult technical challenges. To ensure the success of the mile-long, twin-bore Trans-tolau Tunnel, engineers designed a 10-foot-diameter exploratory tunnel along the alignment of the two main tunnels. The tunnel provided rock and soil information used in designing the main tunnels. This data saved millions of dollars by eliminating the need to budget for geological uncertainties. The tunnel also allowed testing various types of rock and ground support, including

shotcrete and specially-designed rock bolts. The exploratory tunnel is now lined and provides easy access to the main tunnels for maintenance.

Lahaina Water Treatment Facility Austin Tsutsumi & Associates, Inc.

Austin Tsutsumi & Associates, Inc. (ATA) received an Excellence Award from CECH for a water filtration treatment system



at the Lahaina Water Treatment Facility.

ATA planned and designed a \$10+ million facility in a compact space that uses a modern membrane micro-filtration process to purify water obtained from Kanaha Stream, providing 2.5 million gallons daily.

The microfiltration process automatically accommodates fluctuations in the amount of suspended particles in surface water sources and does not require chemicals. The water should conform to anticipated stricter Environmental Protection Agency drinking water regulations, avoiding costly future improvements.

Fort Kamehameha Wastewater Treatment Plant Expansion M&E Pacific, Inc.

M&E Pacific, Inc. received a CECH Excellence Award for the Fort Kamehameha Wastewater Treatment Plant expansion project, which doubled capacity and efficiency in only 50 percent more site area.

The Department of Health determined that the permitted effluent mass emission rate would not be increased due to the sensitive environment of the effluent discharge. This required doubling the removal efficiencies of the treatment process to increase capacity from 7.5 million gallons per day (mgd) to 13 mgd.

(Continued)

After conducting bench scale laboratory studies, M&E Pacific designed one of the first large-scale anoxic selector processes in Hawaii for a cleaner effluent discharge. Another major new process was the use of ultraviolet disinfection instead of chlorine gas.

The most challenging aspect of the expansion was maintaining the plant in service while construction was ongoing. Good teamwork was provided by Alaka'i Mechanical and subcontractors.

Laie Water Reclamation Facility CH2M HILL

CH2M HILL received an Excellence Award from CECH for an environmentally-efficient wastewater treatment plant.

Engineers nearly doubled the old plant capacity from 0.5 mgd to 0.9 mgd, adding only 1.6 acres to the 6-acre site. Extensive remodeling was combined with new features such as a computer control center to monitor the treatment process. Odors



are reduced by storing treated effluent instead of raw sewage in a large open flow equalization basin.

Ultraviolet light instead of toxic chlorine gas is used to disinfect plant effluent. The resulting effluent meets Department of Health R-1 irrigation reuse standards and is used to irrigate neighboring land. Other additions include a composting pad.

Kapiolani Medical Center Parking Addition SSFM Engineers, Inc.

SSFM Engineers, Inc., received an Excellence Award from CECH for the addition to Kapiolani's Pali Momi Hospital parking structure. The four-level parking structure was expanded at each level to more than double the parking spaces.

A seismic analysis indicated an overstressed condition would develop in an existing concrete shear wall and surrounding floor diaphragms due to the magnitude of lateral forces attracted to this wall. The usual technique to address the problem is to strengthen the structurally deficient elements. However, disruption to operations, constructability, and cost were apparent.

The solution was to intentionally "weaken" the wall to reduce its stiffness and redirect the lateral force to other shear walls.

The stiffness of the wall was reduced by a controlled demolition of portions of the wall between the second and fourth levels. Details



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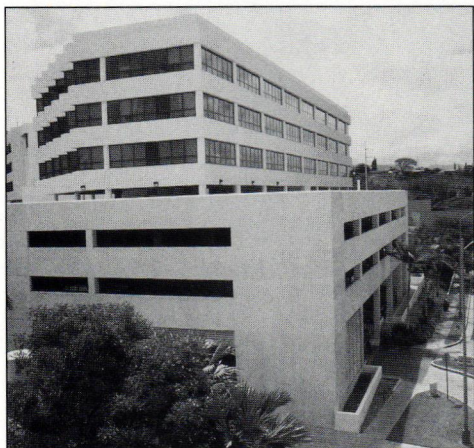
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Pali Momi Hospital

structural analyses were conducted to ensure that the remaining portion of wall had adequate capacity to support the superimposed vertical loads and reduced lateral forces.

Compact Road in Palau R.M. Towill Corporation

R.M. Towill Corporation (RMTC) received a CECH Honor Award for the construction of a compact road in the Republic of Palau. The initial phase in-

involved the layout of a proposed alignment of about 60 miles. Challenged by dense and hilly terrain, surveyors used a mix of old compass and tape methods with progressive Global Positioning System technology using NAVSTAR satellites.

The second phase included the densification of a survey control net and topographic surveys.

Much of the initial route was changed. The final design resulted in a 53-mile route that is cost-effective and environmentally sensitive.

Interactive CD Rom Browser Woodward-Clyde Consultants

Woodward-Clyde received an Honor Award for a geographically-oriented CD Rom browser. The contents of two environmental investigations at Kunsan Air Force Base, South Korea were integrated into a user-friendly database. The software, "Project Explorer," allows the user to click on a map of the project area to review a multitude of products developed during the site assessment.

The CD includes base maps, site maps, photographs, audio clips, video clips, data tables, boring logs, modeling results and text relevant to the area being queried. It allows the user to overlay graphical or visual products atop individual maps to produce a customized graphic.

Resort at Taman Dayu Belt Collins Hawaii

Belt Collins Hawaii received an Honor award from CECH for civil and sanitary engineering, site planning and cadastral surveying services at a resort and residential community in Indonesia.

Challenges included communication problems, lack of local engineering standards and nonavailability of U.S. construction materials and equipment. Belt Collins integrated the development into a forested environment through advanced design and planning techniques with cultural sensitivity, minimized impacts on surrounding villages and agricultural and preserved rainforest areas.

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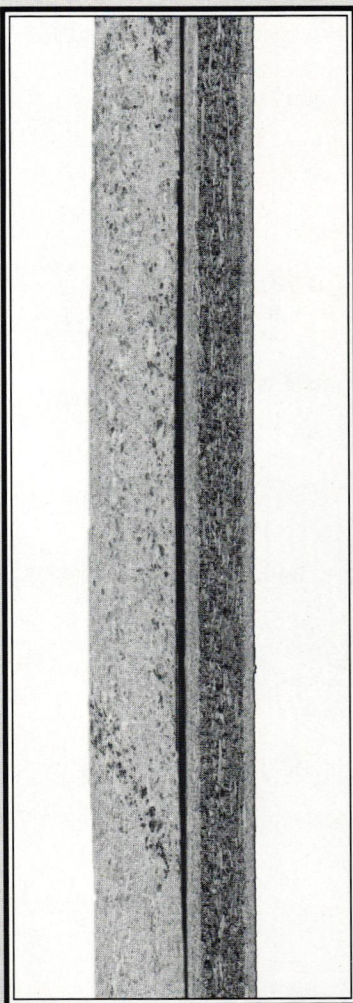
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Many varieties available to the building industry

Masonry for the Millennium

by Dennis Sakamoto

Design and construction professionals in Hawaii can take advantage of masonry products in a wide variety of colors and patterns when designing buildings.

Using Color

Hawaii block manufacturers are limited to using limestone (coral), basalt and cinder aggregates for the production of concrete masonry units (CMU). However, variations in color and texture of these raw materials offer great flexibility in designing projects needing color contrast, patterns or accents using natural materials. Composition of CMU can vary from a 100 percent mix of one type of aggregate to a blend of several different types of aggregates.

Color can be added during the manufacturing process, giving designers a wider palette to work with and creating more color uniformity while maintaining the natural textures of masonry.

When using natural aggregates and integral color, an important step that is often overlooked upon completion of the building is the sealing of the concrete masonry units with a good quality water repellent sealer. Sealing the CMU will keep moisture and dust from penetrating the surface resulting in lower maintenance cost and preservation of natural beauty.

Another option is to use a stain

or paint to enhance a building's masonry. Selection of these products should be carefully researched, because not all paint and stains have water repellent properties. Therefore a coating of water repellent should be applied before, after, or mixed in the stain or paint.

A little-known alternative is to use products that have the ability to be applied in one application either as a clear or colored water re-

pellent sealer. This is achieved by blending acrylic latex paint with the clear water repellent sealer. This system preserves the natural textures of masonry, uniformity of color, transparency (or depth) of color and seals the concrete masonry unit all in one step.

Dennis Sakamoto is president of TILECO, Inc.

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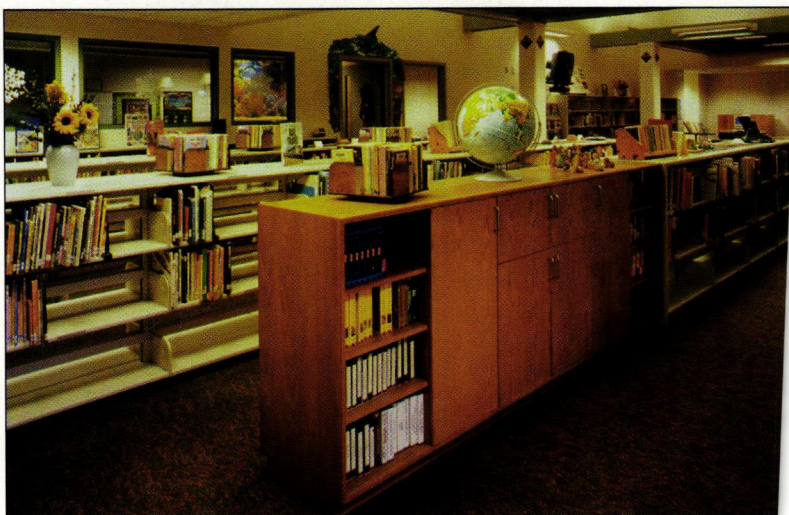
Hanalei Elementary School Library & Cafetorium

To rebuild the library and cafeteria of Hanalei Elementary School after Hurricane Iniki, AM Partners, Inc., implemented a community-based planning and design process to create new structures enhancing the historic context of the existing campus and reflecting the architectural style of the surrounding neighborhood. The design maximizes the plantation theme of the neighborhood and provides a Hawaiian sense of place. Plantation-style windows, doors, textures and trim reflect this heritage and are representative of the Hanalei locale.

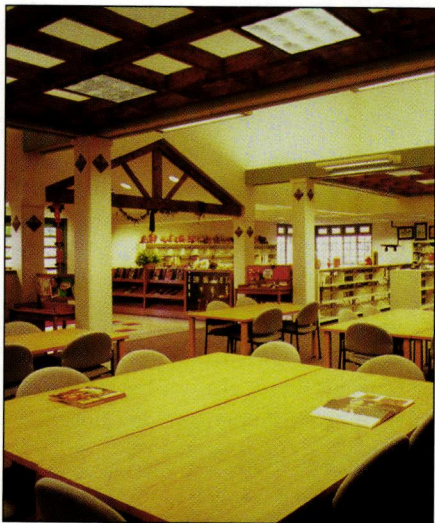
Innovative use of security mesh screens made with custom Hawaiian patterns achieve hurricane preparedness and protect windows securely and attractively. Added two-story ceiling height provides a dramatic focal point and a spacious environment for the meeting area of the library, which is lighted naturally with clerestory windows. In the cafeteria, the kitchen is behind the stage to allow open views and cross ventilation, resulting in a communal space which takes full advantage of the beautiful setting.



The cafetorium building is equipped with deep lanais which serve as a pre-function area, clerestory windows and security doors.



This state-of-the-art elementary school library has work rooms, media centers and conference areas.



The library building's exposed wood trusses and ceiling details reflect the rustic, historic context of the school.

Credits

Owner/client:

State of Hawaii, Department of Accounting and General Services

Architect:

AM Partners, Inc.

Contractor:

Kauai Builders

Consultants:

Civil: Hida Okamoto & Associates, Inc.

Structural: Mitsunaga & Associates, Inc.

Mechanical: Mechanical Engineers of Hawaii Corp.

Electrical: Toft Moss Farrow, Inc.

Landscape: Brownlie & Lee

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Kewalo Basin at Kakaako Makai

New Projects Highlight Expo

A variety of commercial and residential projects planned for Hawaii will be featured at the BIA Building Materials Expo, Aug. 19-20, 1998 at Neal Blaisdell Exhibition Hall.

The "Projects of the Millennium" display includes the City & County of Honolulu's Central Oahu Regional Park, the Hawaii Community Development Authority's Kewalo Basin at Kakaako Makai, the 850,000 square-foot retail and en-

tertainment center planned by Victoria Ward Ltd. and Simon DeBartolo Group, and Haseko Homes Inc.'s Ocean Pointe, a master-planned residential community.

Each developer will display renderings and models and give a short presentation about his project on Wednesday, Aug. 19, from 4:30 p.m. to 6 p.m. The Expo also includes a series of seminars eligible for AIA Learning Units. For more information, call Suzanne Watanabe at 847-4666, ext. 206.

East West Symposium Scheduled

The Third International Symposium on Asia Pacific Architecture: The East West Encounter will be held April 7-9, 1999 at the University of Hawaii at Manoa School of

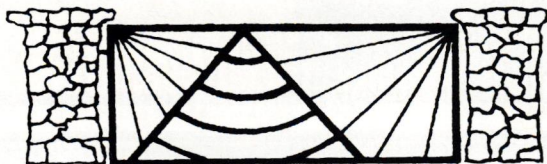
Architecture. The theme is Challenging New Technologies to Fulfill the Human Spirit. If you are interested in participating, submit a 400-word abstract of proposed topic by Nov. 1, 1998 to: Symposium Chair, School of Architecture, University of Hawaii at Manoa, 2410 Campus Road, Honolulu, HI 96822. For more information, call 956-8724 or send a fax to 956-7778.

Building Show Booth Space Available

Booth space is now available at the annual BIA Home Building and Remodeling Show, set for Jan. 28-31, 1999 at Neal Blaisdell Exhibition Hall. The show is geared toward the consumer market, and the 1998 event saw greatly increased attendance from previous shows. For more information, call Jan Yoshimoto at 847-4666, ext. 201.

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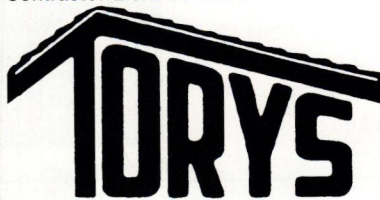
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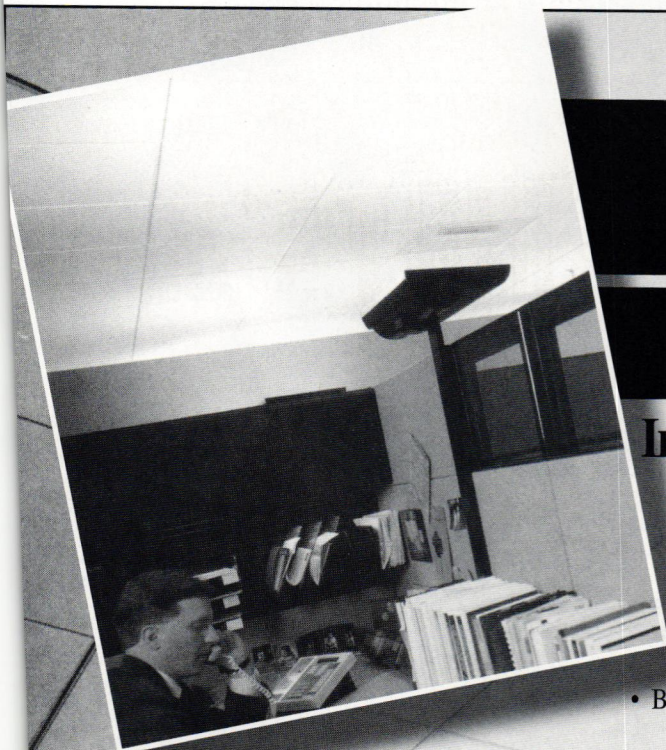


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Now a treasury of public appreciation, the museum showcases world class contemporary art in an environment that remains residential in character.



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