

HAWAII ARCHITECT

October 1991

Retail/Commercial Developments
Windows & Doors

BULK RATE
U.S. POSTAGE
PAID
Permit No. 1023
Honolulu, Hawaii

When plans call for contemporary grandeur to blend with kamaaina past

Allied Builders System can execute a community dream.

Case in point is the transformation of the Alice Cooke Spalding House, built in Makiki heights in 1925, into the beautiful new Contemporary Art Museum.

The assignment called for a creative approach by CJS Group Architects Ltd. and sensitive craftsmanship by Allied Builders – to preserve the estate's historic spirit and charm.

Construction challenges included creating a Grand Gallery via basement-to-ceiling reconfiguration, bisected by a bridge suspended from two smaller galleries; rebuilding the roof to conform to its original missionary style; matching detailed wood flooring, ceilings and wall panels; and carefully eradicating termite damage.

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



ALLIED BUILDERS SYSTEM

Teamwork. Our motto. Our method.

Contractor License BC-5068

1717 Akahi Street
Honolulu, Hawaii 96819
Telephone (808) 847-3763



Why the Hawaii Okinawa Center Was Built with Masonry:

Because it had to be attractive. And cost-effective. And easy to maintain. And durable. And virtually impervious to fire, termites, oxidation and the weather. Because it must be a monument that reflects the pride and dignity of the Okinawan people.

It **is** all that. Through Masonry.

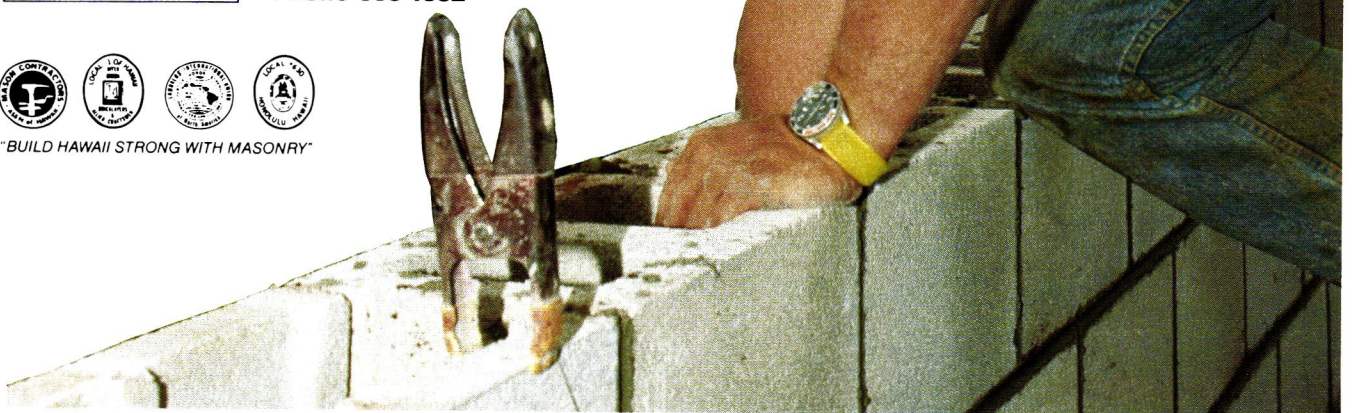


**MASONRY INSTITUTE
OF HAWAII**

Phone 833-1882



"BUILD HAWAII STRONG WITH MASONRY"



Consider *lightweight*
CULTURED STONE®

before you design, build or remodel

Grey Cobblefield—
 Wailuna Development,
 Lusk Hawaii Builders,
 Oahu, Hawaii



47 Product Choices
 Durable & Colorfast

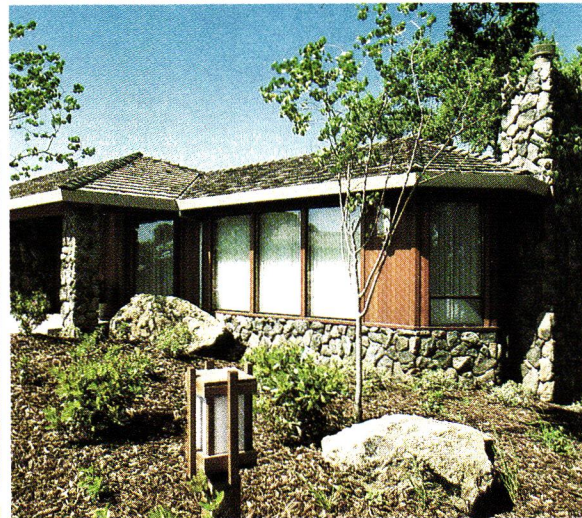
UL Listed-Noncombustible
 Economical
 Maintenance Free

Napa Valley Fieldstone

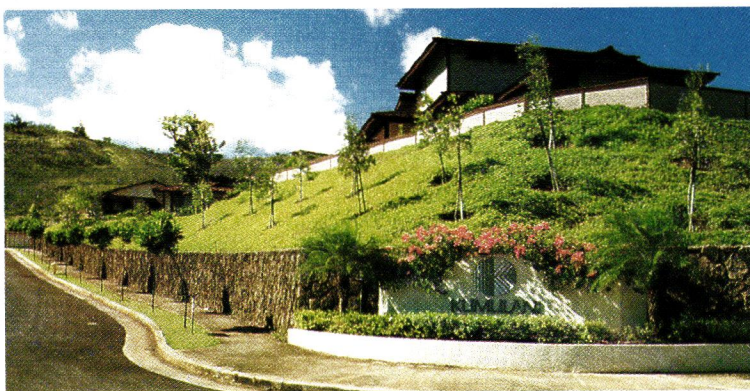


Napa Valley Fieldstone

Lava



Hawaiian Moss Rock—
 Kumulani Development,
 Lusk Hawaii Builders,
 Oahu, Hawaii



Readily Available
 Meets Bldg. Code Specs.
 No Structural Changes
 Required

Warranted
 Insulated

Ameron
 HC&D

P.O. Box 29968 Honolulu, Hawaii 96820
 Telephone (808) 848-4245

Contents

Council Communication

7 Young Architects Impact Profession

The Young Architects Forum focuses on moving the architectural profession in a positive direction and investigates design change, alternate careers and other topics for members.

by David H. Hart, AIA

Retail/Commercial Developments

8 Shopping in a Village Garden

The Big Island regional shopping center, projected to draw visitors from the entire Kona Coast, was designed to make their shopping experience a memorable one.

by Francis S. Oda, AIA

10 Setting the Tone for a New City

Consisting of two buildings, a courtyard and underground parking structure, Campbell Square will anchor the new city of Kapolei.

by Jeff Clark

12 BetaWest: Something Old, Something New

Situated in Honolulu's historic Capitol District, BetaWest's Alii Place was designed to complement the area while emphasizing the modern city at the same time.

16 Latest Trend: Boutique Shopping Centers

Directed toward the upscale market, the Galleria Boutique Center provides visual excitement and an array of specialty shops.

by Robert M. Fox, AIA

18 Traditional Design Using Modern Materials

Waikiki's Kyo-ya Restaurant retains the authenticity of Japanese dining while utilizing contemporary building materials.

by Joni Ketter

Windows & Doors

22 Vinyl Windows Designed for Hawaii

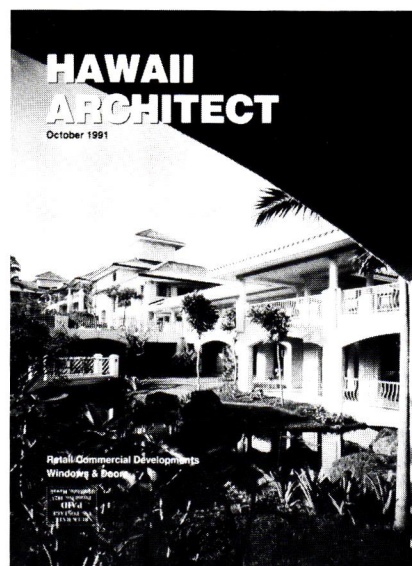
The perfect building material for a tropical climate, vinyl window and patio door frames won't rust or rot.

by Joni Ketter

24 Features

26 News

32 New Members



DAVID FRANZEN PHOTO

The Manele Bay Hotel's architecture, featuring Mediterranean arcades topped with "Hawaiian" roofs which derive from Oriental origins, reflects the multicultural character of Hawaii. This project won Group 70 International and Arnold Savrann, AIA a 1991 Honolulu Chapter/AIA Design Award of Merit.

pmp company ltd

Publishers

1034 Kilani Avenue, Suite 108
Wahiawa, Hawaii 96786
(808) 621-8200
FAX (808) 622-3025

PUBLISHER/EXECUTIVE EDITOR
Peggi Marshall Murchison

MANAGING EDITOR
Joni Ketter

PRODUCTION/ART DIRECTOR
Cynthia Becklund

SALES MANAGER
Miki Riker

GENERAL MANAGER
Richard Kebo

Editorial Staff
Jeff Clark
Monique Cole
Dean Ontai

Graphic Artist
Leonardo Henobio, Jr.

Production Assistants
Cheryl Ruddach
Debbie Yuu

Production/Typography
Sherry Oathout
Rose Cabanlit

Account Executives
Mark Zanetti
Sally Arandia

Office/Sales Coordinator
Kathy Sanders

Accounting Assistant
Linda Kurihara

PROJECT

MANAGEMENT

BY THE NUMBERS:

1-800-275-2525.

Profitability is nothing to guess about. And only CFMS provides a project-based accounting system that completely integrates all the numbers that are key to your firm's profitability. Perhaps that's why it's the only accounting system sponsored by the AIA.

CFMS gives you a clear and comprehensive view of overall project performance from initial budgeting to final client billing. And the modular structure lets you build a comprehensive financial management system as you need it. Find out what over 2800 A/E firms already know. Call 1-800-275-2525 today for a free demonstration diskette.

HARPER AND SHUMAN

HARPER AND SHUMAN AND HARPER AND SHUMAN

I'd like to see how CFMS can help us budget better. Send me a FREE demonstration diskette today. ☐ 5 1/4" ☐ 3 1/2"

Name _____ Title _____

Company _____

Street _____

City _____ State _____ Zip _____

Harper and Shuman, 282 Second Street, San Francisco, CA 94105

digital Authorized
Solution
Provider

HARPER AND SHUMAN AND HARPER AND SHUMAN

HARPER AND SHUMAN

CFMS/VAX runs on Digital Equipment Corporation VAX computers. MICRO/CFMS runs on IBM PC's and compatibles.



THE HAWAII COUNCIL

1991 Hawaii State Council/AIA Officers

President, Arthur A. Kohara, AIA

Vice President/President-elect,
Nancy L. Peacock, AIA

Secretary/Treasurer,
Daniel G. Chun, AIA

Directors

Christopher J. Smith, FAIA

E. Alan Holl, AIA

Harrell McCarty, AIA

Ormond Kelley, AIA

Ted Garduque, AIA

Stanley S. Gima, AIA

Honolulu Chapter/AIA

1128 Nuuanu Avenue
Honolulu, Hawaii 96817
(808) 545-4242

Honolulu Chapter President

Glenn Mason, AIA

Maui Chapter/AIA

P.O. Box 1028
Wailuku, Hawaii 96793
(808) 244-9574

Maui Chapter President

Barry Rand, AIA

Hawaii Island Section/AIA

P.O. Box 1893
Kamuela, Hawaii 96743
(808) 885-4431

Hawaii Island Section President

Clemson Lam, AIA

Hawaii Architect is a monthly journal of the Hawaii Council/American Institute of Architects. Subscriptions are \$24 per year. Opinions expressed by authors do not necessarily reflect those of either the Hawaii State Council/AIA or the publisher. The appearance of advertisements or new products and service information does not constitute an endorsement of the items featured.

Council Communication

Young Architects Impact Profession

by David H. Hart, AIA
Secretary, Honolulu Chapter

The '90s will be a pivotal decade of change in many areas such as economics, commerce, the environment, and yes, the architectural profession. With these changes, new opportunities will arise, providing stimuli that will more profoundly alter the course of architectural design and practice than has previously been possible.

It is to this end that the American Institute of Architects has set its focus for the coming of the year 2000. As the Institute presented its Vision 2000 program, there came a resounding cry for leadership throughout the country and throughout the profession. The primary questions were: Who would be the leaders in the year 2000? And what would the profession look like?

To answer these questions, then-president of the AIA, Ben Brewer, FAIA, looked to the young architects, recognizing that if the profession was to survive, it was really up to all of the professionals to help the younger architect develop in such a way that leadership transition could take place between now and the year 2000. Hence, the birth of the Young Architects Forum.

Since the inception of this idea by past President Brewer, a group of six young architects has been working diligently to develop support of the Board and membership. This year is the inaugural year in which the Young Architects Forum became a national open committee in the AIA. The Young Architects

Forum (YAF) has been very active in the first two quarters of 1991, conducting seminars and research roundtables across the country.

The first meeting was March 1-3, in San Diego with Arthur Ericksen, FAIA, as the keynote speaker. He addressed the changes that he saw confronting the profession in the next 10 years and challenged the young architects to pick up the ball and move in a positive direction to create positive change rather than the negative change which could result. The YAF further investigated such topics as design change, alternative careers and the changing nature of San Diego.

The second meeting was held May 17-20, in Washington D.C., at the National Convention. Here the YAF sponsored a number of workshops, panel discussions and lectures focusing on such topics as starting your own firm, alternative careers and the changing profession.

Recently, June 28-30, the YAF held a very successful meeting in Chicago where Cesar Pelli, FAIA, was the keynote speaker. He addressed the issue of change in design as it affected his work. Pelli challenged the young architects to be true to design and to themselves, and inspired them to look beyond the current economic problems to a brighter future. The forum concluded by focusing on alternative careers and changing elements within the Chicago area.

Continued on Page 35

Shopping in a Village Garden

by Francis S. Oda, AIA

The Lanihau Center, a neighborhood shopping mall on the rapidly growing Kona Coast of the Big Island is being expanded to a regional shopping center. Slated for completion in 1993, the center will more than triple in size from 87,500 to 300,000 square feet.

Often, attendant impacts of a regional shopping center include traffic congestion, disparate scale and changes in local character and lifestyles.

The architectural challenge faced by owner Lanihau Center Venture, development manager GMR and architects at Group 70 International is to expand Kailua-Kona's retail options while enhancing, rather than sacrificing, the special qualities of the region.

Village Concept

The first of these qualities is lifestyle. Big Islanders drive a lot. They are accustomed to traveling distances — for shopping, entertainment and visiting friends — beyond those considered acceptable by Honolulu residents.

Given this pattern, the market area for the regional mall is beyond the norm and includes 51,000 residents drawn from the North Kohala to South Kona area which receives 1.2 million annual visitors.

With people driving these distances, the center needs to provide for longer stays. Enough variety, activity and amenities must be available so that a broader range of shoppers' needs

are met; hence the concept that the center must be more than a shopping arcade and more like a traditional village.

This is in keeping with the location of the center off the Palani Road entry to Kailua village. It is not the intention of the Lanihau Center to supplant Kailua as the regional focus, as many centers built outside urban cores have sapped the vitality of traditional shopping and business districts.

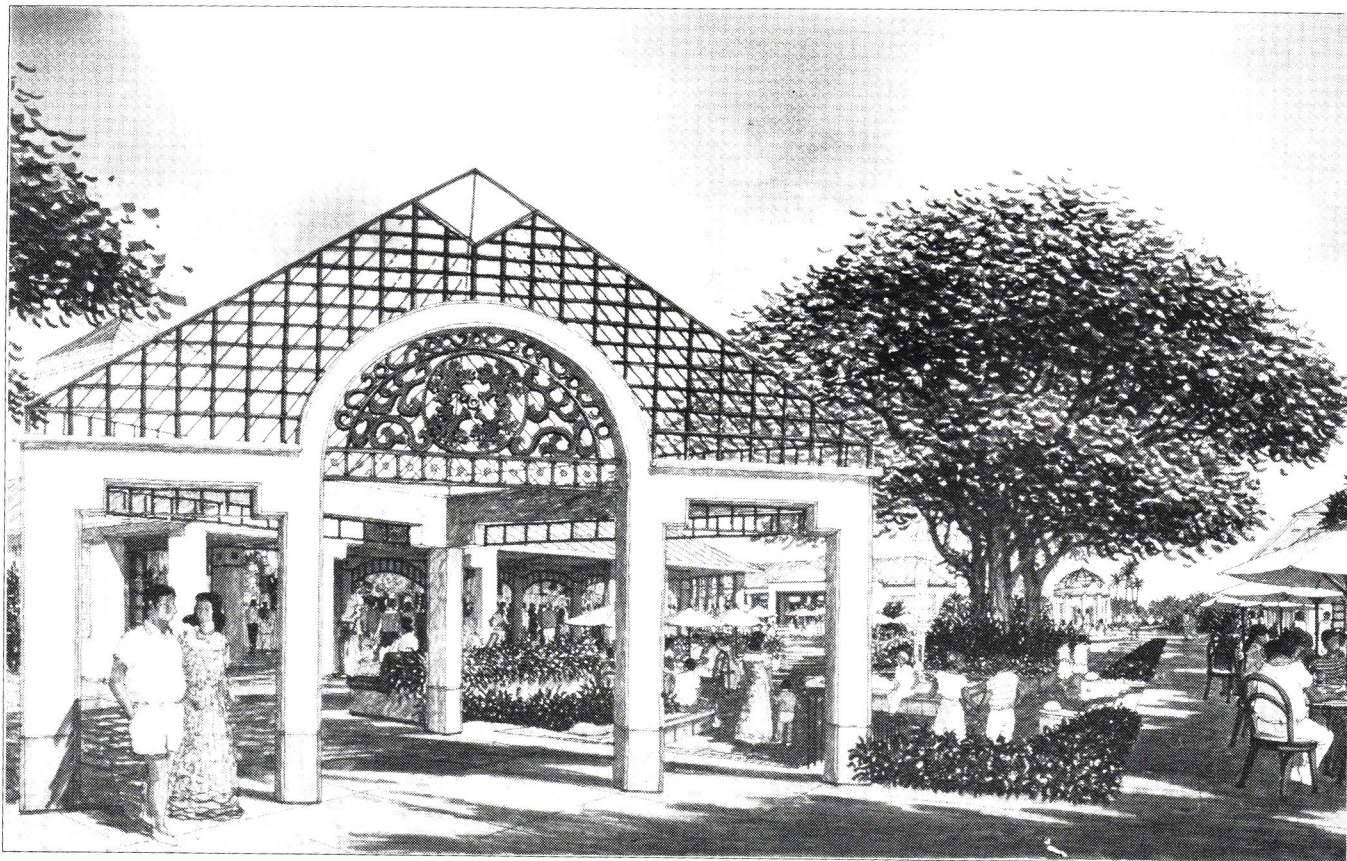
Lanihau is designed to complement Kailua village by adding to its critical mass the benefit of major stores. While the existing center includes Longs and Safeway, the full regional mall is planned to include Liberty House, J.C. Penney and Woolworth.

In order to build Lanihau into Kailua village, a new street is being constructed. Henry Street will allow access from Kaahumanu and Kuakini highways and will serve to knit the center into Kailua while reducing overall traffic congestion.

In addition to shops and stores, Lanihau will be a focus for services and civic activities. The regional post office exists at the center along with a community information board and community meeting room. A traditional bandstand and stage is designed to be the focus of performing arts, drawing performers from schools, hula halaus, civic organizations, churches and other groups. An arts and crafts area will provide



The Greenwell Store served as the model for the New England-based kama'aina architectural character of the Village Design District requirements.



Lanihau Center's garden setting will complement the lush, cool landscaping of the house lots and kama'aina estates mauka of Kailua-Kona.

local artists and organizations the opportunity to exhibit and sell graphic arts and sculpture. This is envisioned as an incubator function to encourage local artists and craftsmen not represented in galleries.

Areas of the center also will be given over, from time to time, to special civic activities, fund drives and celebrations. Landscaped areas are developed for sitting, dining, gathering and visiting — all pastimes that traditional villages encourage.

Kama'aina Architecture

The second quality to be enhanced is the human scale and the New England-based kama'aina architectural character of Kailua-Kona. The model for this expression is the original Greenwell store, owned by ancestors of the Greenwells in the Lanihau ownership group, and now a historic structure.

Its simple yet strong gabled roof form, wood construction,

small-lite windows and masonry walls (with the large mortar joints characteristic of Kailua) provide a rich vocabulary in keeping with the Village Design District requirements and Phase I of the Center designed by Kober/Hannsen/Mitchell.

Buildings are massed to create the "streets" of the village along which arcaded walks provide shade and a human scale to the large forms of the majors. The roofs of the arcades take the gable form at major entrances, corners and at strategic locations. Symbolic windows punched in the gables provide areas for signage and center identity. Tenant improvement store fronts are developed in a variety of small-lite window expressions set in wood and masonry walls.

Garden

In keeping with the lush and cool landscaping of the house lots and kama'aina estates mauka of Kailua, Lanihau is set in a garden.

Abstracted garden gates with latticed metal "heads" identify three major entries. Water features, trellises and garden lighting characterize separate areas of the center.

An abstract yet traditional bandstand with a trellised crown is the focus of a Village Center court between Phases I and II. This court is surrounded by restaurants and cafes, providing the opportunity for outdoor dining and gathering.

The Lanihau Center will enhance the lifestyle of West Hawaii as a garden village for shopping, civic events, community group meetings, entertainment and business. It will be a regional mall which fits into the neighborhood — a village activity center which complements the Kailua-Kona area.

Francis S. Oda, AIA, is the chairman of Group 70 International.

Setting the Tone for a New City

by Jeff Clark

Occupying the first block at the entry to the new city of Kapolei will be Campbell Square. Comprised of the James Campbell Building and the Kapolei Building, as well as a courtyard and an underground parking structure, Campbell Square will anchor the new metropolitan area.

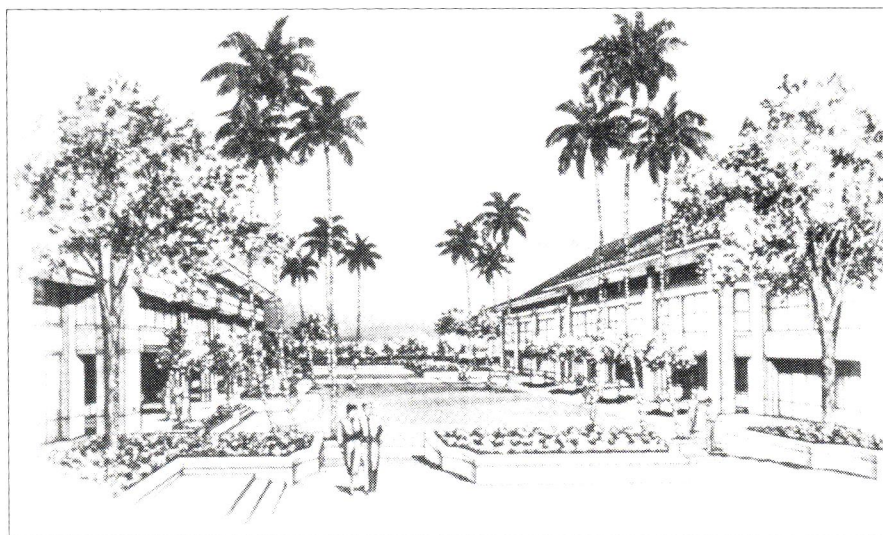
It was important that the two buildings, located next to Kapolei Park, "would give you the feeling that you're entering a new city," said Stanford Lee, AIA, of Kober/Hanssen/Mitchell Architects, who is serving as director for the project.

The James Campbell Building will be "the first major building in the new city so it has to set the standard, so to speak, for all the buildings that will follow. So, for the Campbell Estate, it's like a showcase in some respects," Lee said.

Campbell Square will "set the tone" for the new city, Lee said, calling it a "prototype or an example of Campbell Estate's commitment."

The buildings' exteriors incorporate "forms indicative of what can be perceived as Hawaiian architecture," Lee said. Perhaps most obviously "Hawaiian" are the double-hipped roofs, the kind popularized by island architect C.W. Dickey in the 1920s and still prominent throughout Hawaii today. They feature large overhangs that afford ample protection from natural elements.

The roofs will be covered with



The garden courtyard at Campbell Square connects the office buildings and provides a beautifully landscaped area appropriate for lunches, informal gatherings and organized activities.

clay tile roofing, which Lee was quick to point out will not be orange Mediterranean-style tiles highly visible in the Southwest. Campbell Square's roofs will be covered with a "blue-green tile that reflects coolness," Lee said.

The exterior walls will be smooth limestone "with bands of split-faced granite to break it up," Lee said. "The colors are all natural colors. There is no orange or bright colors," he added.

The interior of the project is "understated Hawaiian." "The style is contemporary but has elements of what could be perceived as Hawaiian architecture," Lee said. The lobbies are opened up, he explained, with the doors opening into the courtyard.

The floor is planned to be honed slate and sisal carpet. There will be koa and teak wall

trim and leather and rattan furniture.

Meeting rooms with audio-visual capabilities will be available for tenant use.

The complex will incorporate high-tech gadgetry that will qualify the structures as "smart buildings." The lighting and air conditioning systems will be centralized and computer-controlled. In the interest of water conservation, the air conditioning will use air cooling.

"We went to great lengths to get an energy management system installed," Lee said.

This system will control the air conditioning with sensors located throughout the buildings. These sensors will record current temperatures and send data to a central computer which will implement changes in the environment as needed. By using

the central system, occupants will be unable to waste energy.

The architects had to ensure that all components of the system would be interconnected, Lee said, and that proper software would be implemented. A consultant was hired for the high-tech end of the Campbell Square design project.

Lee added that the security office from which the climate is to be controlled will be manned 24 hours a day. Personnel also will monitor input from security cameras mounted in key areas.

The project's third component is the underground parking garage. Over 400 parking stalls will be located on two floors beneath the Kapolei Office Building and the courtyard. Parking will be free for the first five years after the development is built.

Roughly the size of a football field, the courtyard between the James Campbell Building and the Kapolei Building will not be merely a cosmetic feature of the development; it is designed for heavy use. The 41,000-square-foot area will include water features, gardens and shady areas for sitting and lunching.

There will be two water features, one major in scale and the other relatively small, Lee said. The large water feature will consist of interconnecting, interacting parts: water, a wall and landscaping. Lee said the wall will hide the air conditioning equipment plant and the water will muffle the noise.

"Coolness" is a recurring theme in this project and in the plan for the city in general. "The perception of Ewa is that it's a hot place, and to mitigate that, the project is landscaped significantly enough to give a lot of shade and coolness," Lee said.

Ann Kutaka, AIA is handling the day-to-day details of the project and Mark Nakahira, AIA is the project designer. Principal-in-charge is Kurt Mitchell, AIA. HA

AMERITONE COLOR KEY PAINT BECAUSE EVERYTHING IS NOT BLACK AND WHITE.



When you select an Ameritone COLOR KEY® Color, that's just the color Ameritone delivers, whether from our selection or matching your specifications.

When Ameritone finishes are specified and our label is on the job, you know you're getting a quality finish that will stand up.

More than just good paint. Ameritone Paint.
COLOR-QUALITY-OUTSTANDING SERVICE SINCE 1949

Ameritone Paint
1353 Dillingham Blvd.,
Honolulu 96817
841-3693
Kapaa Paint Supply
934-A Kipuni Way, Kapaa 96746
822-1788

Ameritone Maui
140 Alamaha St., Kahului 96732
871-7734
Ameritone Maui West
West Maui Center #7
910 Honoapiʻilani Hwy., Lahaina 96732
667-2614
Ameritone Maui South
Kihui Commercial Center #206
Kihui, Hawaii 96753
875-1133

Ameritone / Devoe Paints
18A Pohaku St., Hilo 96720
935-2011
Ameritone / Devoe Paints
74-5599 Alapa St., Kona 96745
329-2766

Ameritone Paint Corporation, P.O. Box 190, Long Beach, CA 90801, 1-800-669-6791

Member of Grow Group, Inc.

BetaWest: Something Old, Something New

A modern, 23-story, 328,000-square-foot building that would blend in with the classic structures of Honolulu's historic Capitol District was the challenge brought to the architectural firm of Daniel Mann Johnson and Mendenhall (DMJM) when BetaWest began planning Alii Place.

The new office and retail complex, now under construction at the corners of Alakea, Hotel and Richards streets, needed to

combine sophisticated mechanical and engineering systems while preserving the ambiance of its next-door neighbors: Iolani Palace and grounds, the refurbished Hemmeyer Center, the State Capitol and the Julia Morgan-designed YWCA.

The DMJM design team, led by David Hart, began by studying design elements common to the historic structures: graceful arches, columns and muted colors.

"We always design specifically

for the location," Hart said. "Alii Place's site is a special one; there's nothing quite like it left in Honolulu. We needed to design a building that would complement the historic area while reflecting the progressive thrust of modern Honolulu."

To blend in with the palace, capitol building, YWCA and the Hemmeyer Center, DMJM designed columns and arches for Alii Place's base and entry lobbies. Charlie Nicola, project manager for BetaWest, says that the project team, consisting of DMJM; Nordic/Mortenson, the contractor; and BetaWest took a unique approach to achieve this historic look with regard to the exterior of the building.

Because precast concrete could provide more detail and flexibility than granite, a specially finished concrete with proper colors and aggregates was researched for the building's exterior skin to give it warmth and texture. The team investigated the local supply of aggregates and found there were only two or three available, none of which would allow production of the desired grained finish and color. In addition, because of varying sources of cement to the island, control of coloring in the concrete mix could not be assured.

The desire for quality of detail, sharpness of edges and bullnose shapes at various elevations of the building demanded that only the most experienced precaster with a track record of quality could meet the requirements of



DAVID FRANZEN PHOTO

Topping off Alii Place will be the placement of 369 special precast merlons which will overhang the parapets at each setback and upper levels of both the nine-story and 23-story portions.

this unique project.

The project team contacted Rocky Mountain Prestress, Inc., a Denver-based firm, who has been producing structural and architectural precast concrete products for years. They not only offered an unlimited selection of controlled mix designs, but could produce the required complex shapes and sizes through their advanced forming materials and processes.

Ron Fossett, vice president of Rocky Mountain Prestress Inc., said, "Rocky Mountain Prestress used a casting process, (one of only a few in the country) which incorporates shock table technology that vibrates large forms at a specified frequency in order to achieve flawless casting. The simulated stone shapes seen on the arches at Alii Place were formed using molds taken of naturally occurring top ledge limestone pieces collected in Kansas."

"We were concerned that, with shipping costs from Denver to the middle of the Pacific, this premium grade precast material would not be competitive," Nicola said. "But with the thorough value engineering services provided by Nordic/Mortenson, Rocky Mountain Prestress and DMJM, we saw early on that this was going to be less expensive and more desirable than granite. This never would have been considered if Rocky Mountain Prestress did not have sound financial strength and the necessary bonding capacity."

Importing the massive panels from Denver to Honolulu would be no easy task, however. As it had never been attempted before, there were many obstacles to overcome. The size of the panels was chosen to allow the pieces to be shipped in standard shipping containers. This required an unusually large number of panels, (approximately 2900 pieces).

"The jointing patterns had to be changed many times before

both design and shipping concerns were satisfactorily addressed," according to Jim Zemski, DMJM-Hawaii's project manager. They also had to be packaged so that they wouldn't break in the long journey by rail and sea. Each piece of precast was pre-cleaned and individually wrapped for protection.

Two erection crews continue to work into the night to meet the demanding schedule of placing the delicate architectural shapes.

Alii Place also will feature green shaded, full-height windows and storefronts. The lobbies will be clad with marble and granite and the base of the

columns will include granite to complement the stone texture of the precast column covers and arches.

Topping off Alii Place will be the placement of 369 special precast concrete merlons which will overhang the parapets at each setback and the upper levels of both the nine-story and 23-story portions. Architectural concrete also has been utilized to provide a unique domed bus shelter within a fully landscaped plaza along the Hotel Street frontage of the project.

Hart says discussions with city officials resulted in the creation of terraced roof lines that avoids



Alii Place is located in the center of downtown's historic district and was designed to blend in with its surroundings.

the ordinary box top look and contributes to a more interesting Honolulu skyline. The terracing also minimizes the building's mass and allows more corner offices, an important consideration because of the views captured from Alii Place. Due to its location in the Capitol District, panoramas from Punchbowl to the ocean will remain unobstructed.

Floor plates at Alii Place range from 9,000 square feet at the penthouse level to 19,000 square feet on lower floors. The large floor plates are an asset in Honolulu's tight office space market. Companies looking to expand can be accommodated on one or two levels instead of spreading across floors, and in some cases, different buildings.

Tenant comfort is a priority at

Alii Place. For the convenience of offices who need space on multiple floors, for example, Alii Place architects and engineers have designed the building to allow for internal stairs or other openings between floors.

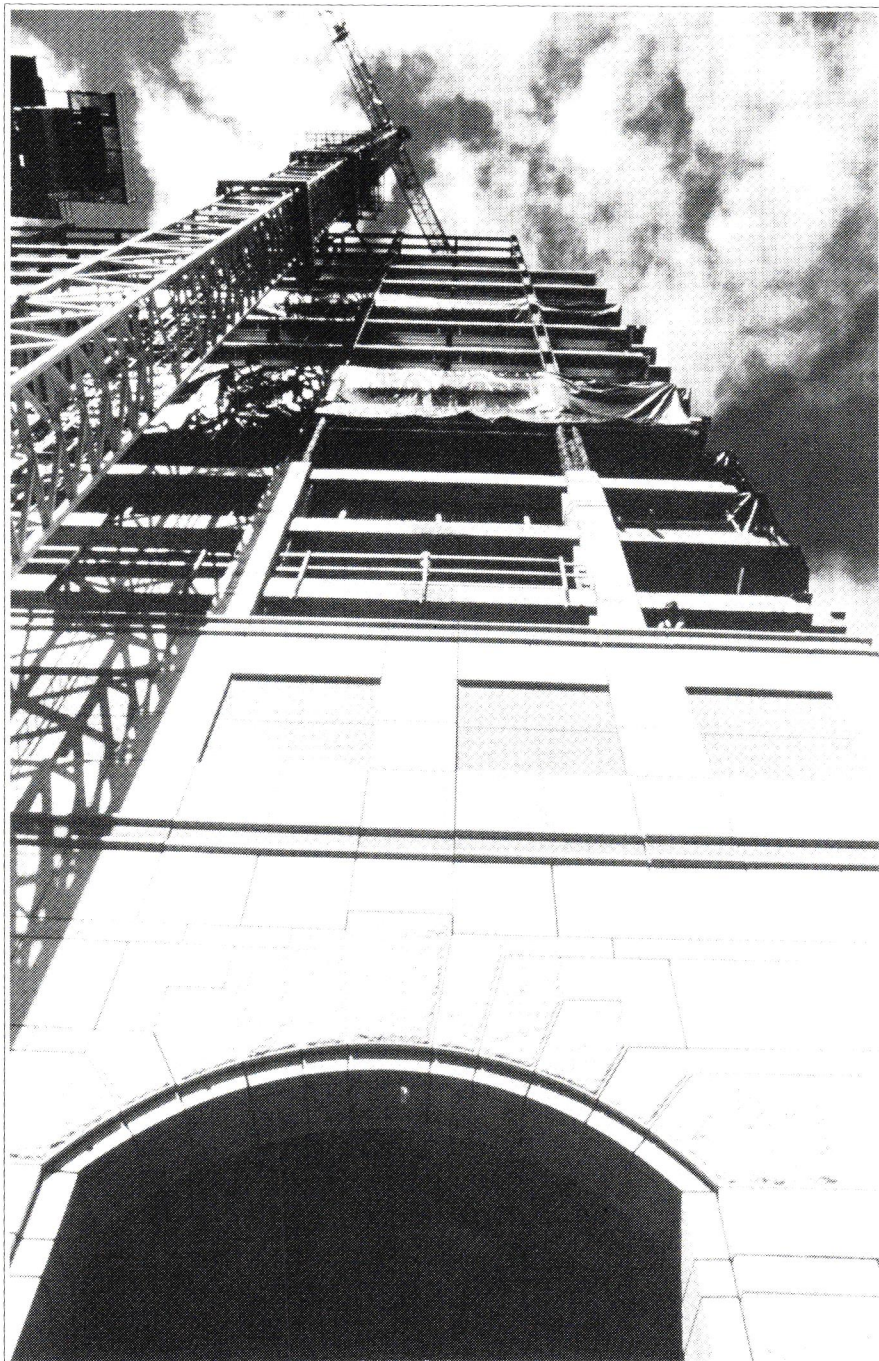
Offices with high-density files, libraries or heavy equipment can be accommodated because floor loading capacity at Alii Place registers at 80 pounds per square foot, significantly greater than the 50 pounds per square foot normally provided by office buildings. In addition, in a dedicated area on each floor, the structure has already been modified to accommodate a floor loading of 150 pounds per square foot. The steel structural system used for the office tower can be easily modified to further increase this capacity.

There also are provisions for additional plumbing for offices that might require showers, kitchens and other amenities.

Aside from structural benefits, Alii Place offers sophisticated security, lighting and energy-management systems. Card keys will be provided for all who need to enter the building during off-hours. Energy-efficient parabolic light fixtures, designed to reduce glare on computer terminals, are standard in all spaces.

Office workers won't have to freeze or fry depending on the quirks of centralized air conditioning. At Alii Place, "smart" thermostats are being installed, allowing each office to manage temperature through direct digital controls.

Alii Place is a development of BetaWest, Inc. with the City & County of Honolulu providing the use of the land. Its nine-story low-rise and 23-story office tower is scheduled for completion in early 1992. Tenant parking spaces will number 333 while an additional 235 spaces will replace public parking provided by the former Alakea-Richards Street garage. **HA**



CARL SHANEFF PHOTO

Approximately 2,900 concrete pieces were shipped to Honolulu from Denver and erection crews continue working into the night to meet the demanding schedule of placing the delicate architectural shapes.

THE BIG CHILL.



TFX27F



TFX20R



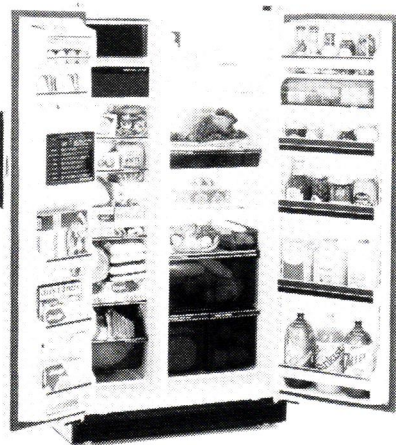
TBX24Z



TBF16S



TBX20DH



TFX24E

DISTRIBUTED IN HAWAII BY:



Special Market Group
A Division of Servco Pacific Inc.
1610 Hart Street
Honolulu, Hawaii 96819
Phone: 848-2411

Select exactly the right refrigerators to meet all your construction or remodeling needs. Top-mount freezer or side-by-side. Any size. With automatic icemaker and convenient dispensers. Or not. GE refrigerators make good, flexible use of every inch of space. To store more food, more efficiently. And meet your customers' food storage needs.

With special sealed Snack Packs and meat pans. And the Food Saver System of humidity-controlled compartments. Quality refrigerators from GE. The possibilities are limitless.



We bring good things to life.

For the complete line of General Electric appliances call
Chester Miyashiro or Roger Grande at Special Market Group.

Latest Trend: Boutique Shopping Centers

by Robert M. Fox, AIA

In the continuing quest to provide new shopping experiences, a wide array of retail commercial shopping complexes is being developed. The traditional downtown shopping areas were usurped by the regional shopping centers of the 1950s which provided easy access, ample parking and a pedestrian mall environment with anchor tenants and a wide variety of fill-in retail stores.

This concept provided a multitude of shopping opportunities in a pleasant, convenient atmosphere.

In Hawaii, the main regional shopping complexes — Ala Moana Shopping Center, Pearlridge and Windward Shopping Mall — have all proved the success of this formula which has endured for several decades, providing the largest base of retail outlets in Hawaii.

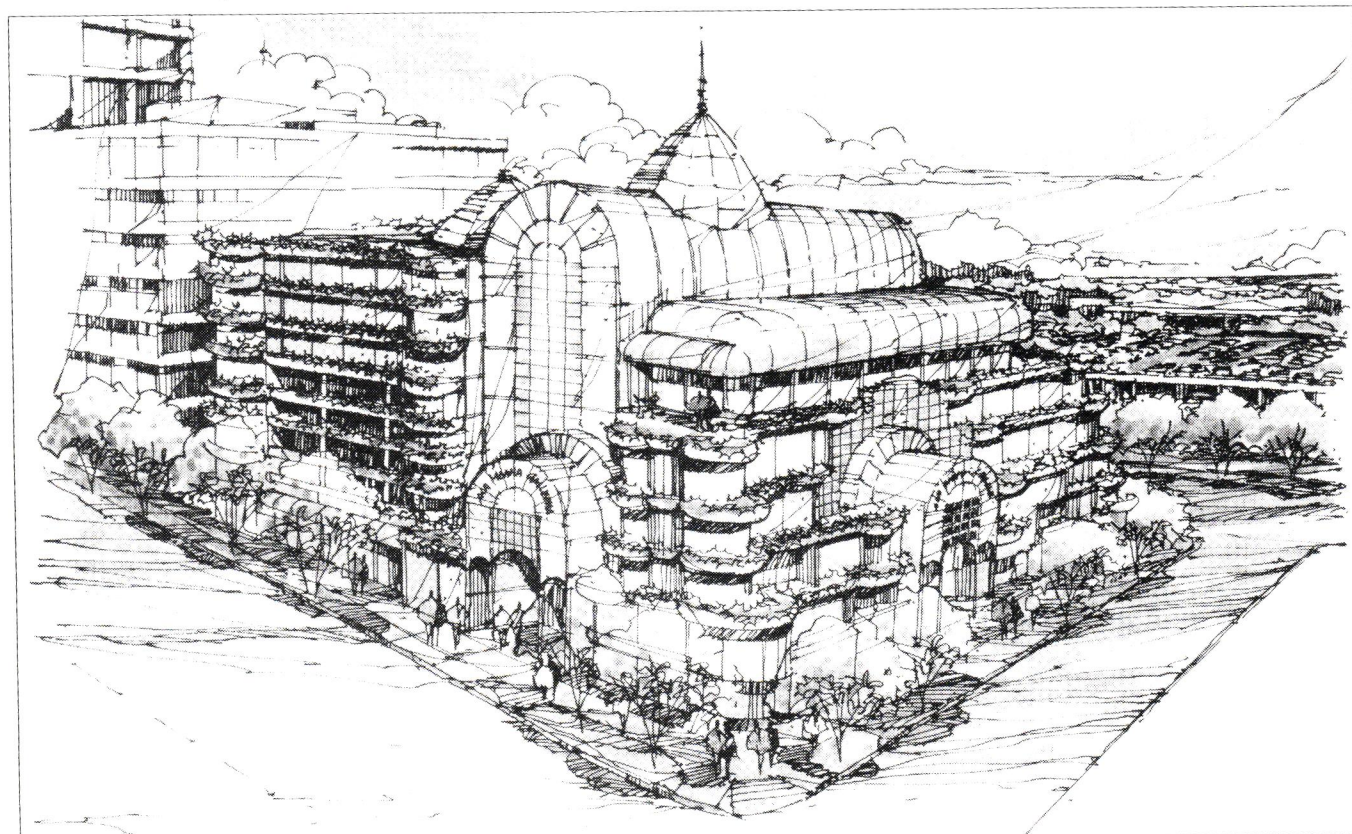
Similar complexes developed on the neighbor islands also have been successful with residents and visitors alike.

Recently, a new phase of shopping developments is being planned for Hawaii including Power Centers which feature

large volume discount stores such as Costco and K-Mart, competitors with the more traditional Sears and J.C. Penney.

This new wave of shopping developments is aimed at the mass market and offers discount prices for items purchased in bulk.

Another new direction in shopping experiences is the boutique shopping center which varies greatly but in essence is directed toward the up-scale market and offers a variety of specialty shops, such as Ralph Lauren, Neiman-Marcus, Louis



The overall perspective of the Galleria Boutique Center highlights the vaulted glazed atrium providing vistas in every direction.

The concept of the boutique shopping center is to create a unique, comfortable, relaxed environment to lessen the stress of shopping and enhance the pleasure.

Vuitton and various others.

The boutique shopping center clusters up-scale outlets into a unique and aesthetically appointed shopping experience. Entertainment, including restaurants, courtyard dining, art displays, chamber music and other amusements to tantalize the shopper also are offered.

The concept of the boutique shopping center is to create a unique, comfortable, relaxed environment to lessen the stress of shopping and enhance the pleasure.

One such development is the

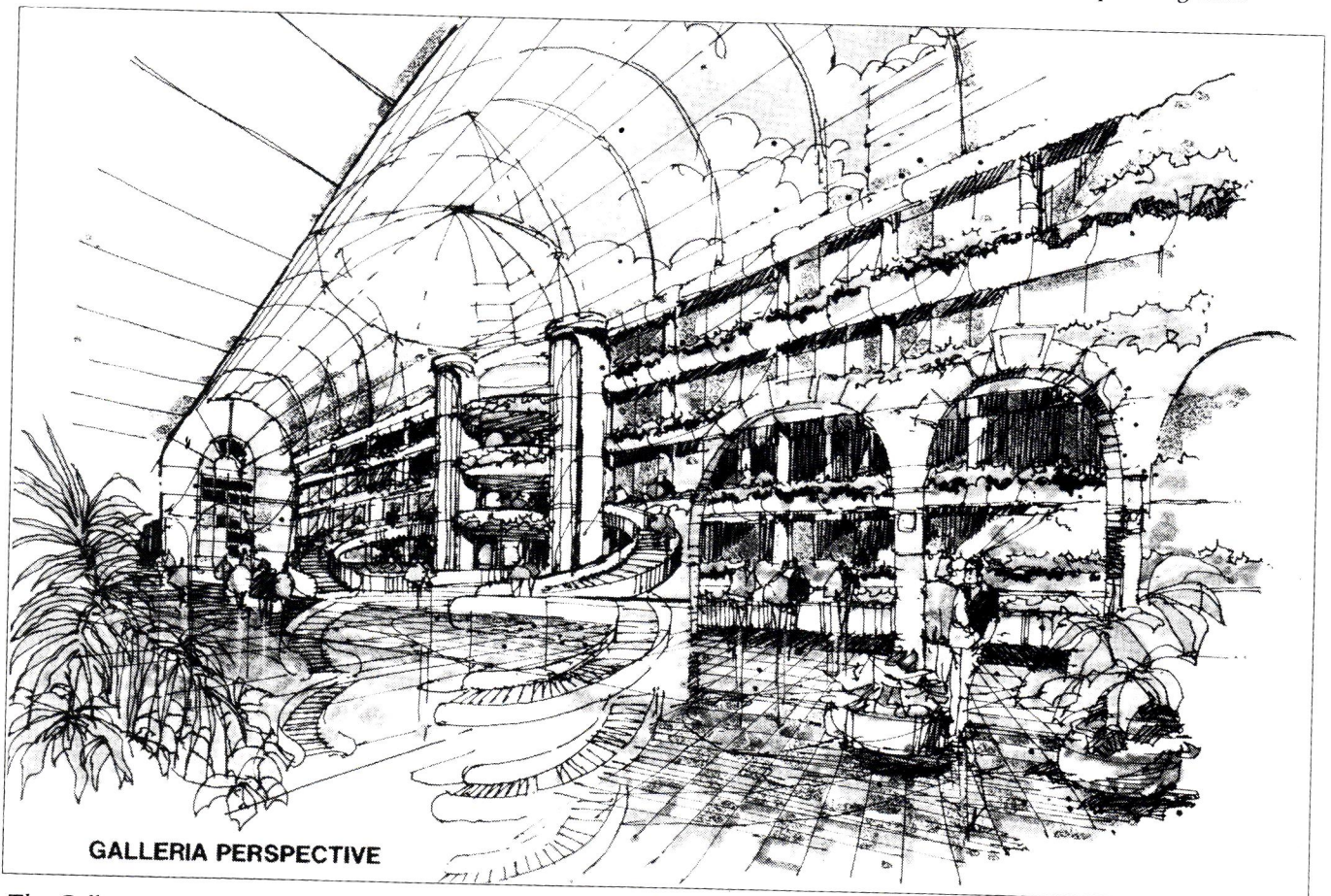
Galleria Boutique Center located on Kapiolani Boulevard close to Ala Moana Shopping Center. The design features a large internal galleria with a vaulted glazed atrium providing vistas in the direction of Tantalus and the Koolaus.

The four floors of shops open to this central galleria to create an open, tropical garden environment protected from the rain and wind. Natural ventilation utilizing upward drafts will complement the cooling system and enhance the temperate atmosphere.

Colorful art, architectural embellishments and stage platforms for performing arts will be located at the various levels. Vertical pedestrian movement will be via curved escalators providing visual excitement and convenient access to the upper floors.

The concept is currently in the development stage but promises to provide a new market shopping experience in Hawaii. HA

Robert M. Fox is president of Fox Hawaii, a Hawaii-based international architecture and planning firm.



The Galleria perspective shows off the tropical garden environment and curved escalators to move shoppers from level to level.

Traditional Design Using Modern Materials

by Joni Ketter

Japanese influences are being felt throughout the state more and more every year. The Kyo-ya Restaurant incorporates traditional Japanese building designs with modern materials resulting in a successful synthesis of East meeting West.

Located at the entrance to Waikiki, the newly renovated Kyo-ya succeeds in transporting patrons thousands of miles away into a distinctly different environment.

The Kyo-ya renovation is the first U.S. project for Hideto Horiike + Associates, Inc., a Japanese design firm with offices in Honolulu and around the world. Local architect Roy Yamamoto, AIA, served as a consultant for the project.

The restaurant's design reveals the tremendous efforts to produce an authentic representation of Japanese culture and its appropriateness to its Waikiki environment. Contemporary design combined with traditional building elements resulted in simple yet sophisticated images.

There are two main masses to the Kyo-ya. The main dining pavilion, smaller than the main building, is the focal point of the exterior design. Traditional "J"-type clay roof tiles and natural wood side panels result in a composition that is traditional in nature. The main building acts as a backdrop to the dining pavilion.

A distinct foreign environment has been created in a way that allows a calm transition from the

hustle and bustle of Waikiki to the serenity of a distinguished Japanese dining experience. The transitions are always subtle, beginning even before entering the restaurant.

Entering the Restaurant

A semi-circular walkway in front of the Kyo-ya acts as transitional space between Waikiki and the protected environment behind the traditional formal entrance gate. Described by Shinji Yanai as the "neutral area between Japan and Hawaii," the walkway leads to a geometric garden created by the

use of slate and gray river rocks similar to those found in the famous gardens of the "Ryoanji-no-sekitei" gardens in Kyoto, Japan. Yanai is the executive vice president and director for Hideto Horiike + Associates.

Granite and slate grids create a pattern based on the traditional "tatami" model. "Japanese can relate to the grid pattern," Yanai explained. A familiar sight in Japan, grid patterns were birthed in the famed Kyoto Temple in 794.

The grid pattern in the entryway clearly defines a pathway toward the entrance and inner lobby.



DAVID FRANZEN PHOTO

A typical tatami room features dining in traditional Japanese style and a specially designed dry rock garden.

Waiting Lounge

Upon entering the waiting lounge, one is immediately struck by the contemporary appearance. Stainless steel, glass, marble and granite provide a polished, sophisticated look. Yanai said the "coordination of materials" was important to ensure a blending of old and new.

The focal column, or Daikokubashira, is the traditional Japanese building concept that one central column holds up the entire structure. Traditionally made of wood, Kyo-ya's is reinterpreted in modern materials — stainless steel offset by the dramatic illuminated glass reception counter. Brass floor inserts radiate from the focal column and create the base for the low concrete walls that enclose the lounge.

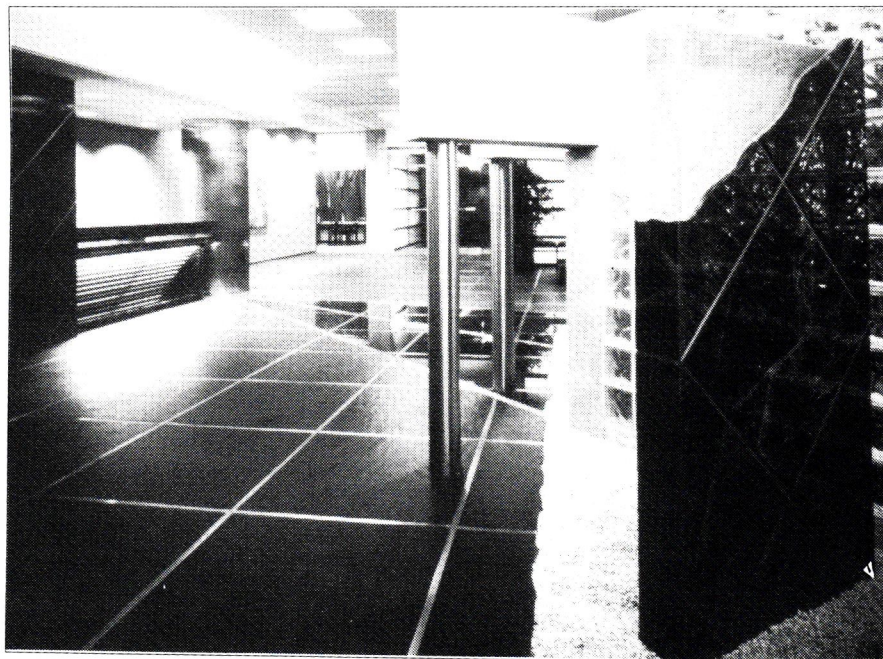
The reception counter is formed by a series of one-inch thick illuminated glass panels. "The Hawaiian sea is the color of emerald green," Yanai said. "We combined the Hawaiian sea with the Japanese pillar, mixing the cultures."

Curved low partitions expressed in concrete, coupled with glass block walls, provide space definition without detaching from the lobby area. "We didn't want the lobby to feel closed," Yanai said. "We wanted an open image."

The walkway from the lobby to the main dining area has stepped floor-to-ceiling glass walls creating an extroverted space which gives the illusion of walking outside, through the courtyard, emphasizing the independence of the pavilion from the rest of the building.

Dining Room

Exposed concrete walls are offset by natural framed "shoji" panels to create a simple Japanese environment. In contrast, high-backed black lacquer chairs lend a contemporary feeling to the Western-style room. The subtle



DAVID FRANZEN PHOTO

The focal column, or Daikokubashira, is offset by the dramatic illuminated glass reception counter. Glass block walls create an open atmosphere in the lounge. Brass floor inserts radiate from the focal column.

wood paneled ceiling gives way to an unexpected stepped ceiling soffit which aligns with the main building grid. This shift in direction emphasizes the juxtaposition of the dining pavilion from the orientation of the main building mass.

Second Level

The simple stainless steel and glass stairway becomes the transitional space from the polished look of the main floor to the subtle, natural atmosphere of the traditional upper floor lobby. Textured wall coverings, natural wood grid ceiling panels and wall trims, together with meticulously designed dry rock gardens provide a tranquil mood.

Eight private rooms in the traditional tatami style provide seating for four to forty. Rooms can be joined together to provide more space. The banquet room provides tatami-style seating for 66. Each private room is named for a Japanese flower or tree.

A formal entry, or genkan, precedes each tatami room, yielding a ceremonial type of entrance which allows the guest privacy from the corridor and

public spaces. Symbolic of the Ryo-tei Style, a complete separation of the service passageways and guest circulation is made using long "back of the house" service corridors which connect to every tatami room.

The serene atmosphere is manifested by the use of natural colors and textures. Tatami mats, natural wood, slate and textured wall coverings provide a tranquil backdrop for the dry rock gardens. Heavy wood lattice sliding gates become semi-transparent barriers from the upper lobby to the private tatami and banquet rooms. Light and shadows are filtered through rice paper windows of imported sliding shoji screens emphasizing the quiet mood of the space.

The wooden panels for the tatami rooms were carved in Japan by master craftsmen and assembled in Hawaii. Cedar is the wood used for the wall trim and cypress covers the floor.

A VIP tatami room is surrounded on one side by a large, very exquisite dry rock garden. Wood framed shoji screens are kept open to create a "window" to the garden. **HA**

HONOLULU CHAPTER/AIA 1991 DESIGN AWARDS

Award of Merit

Group 70 International

Arnold C. Savrann, AIA

Manele Bay Hotel

The Manele Bay Hotel is the 250-room beach complement to the 102-room inland Lodge at Koele. Together they

form the five-star hospitality core of Lanai, conceived as a resort encompassing an entire island. It is envisioned that a 10-day stay may

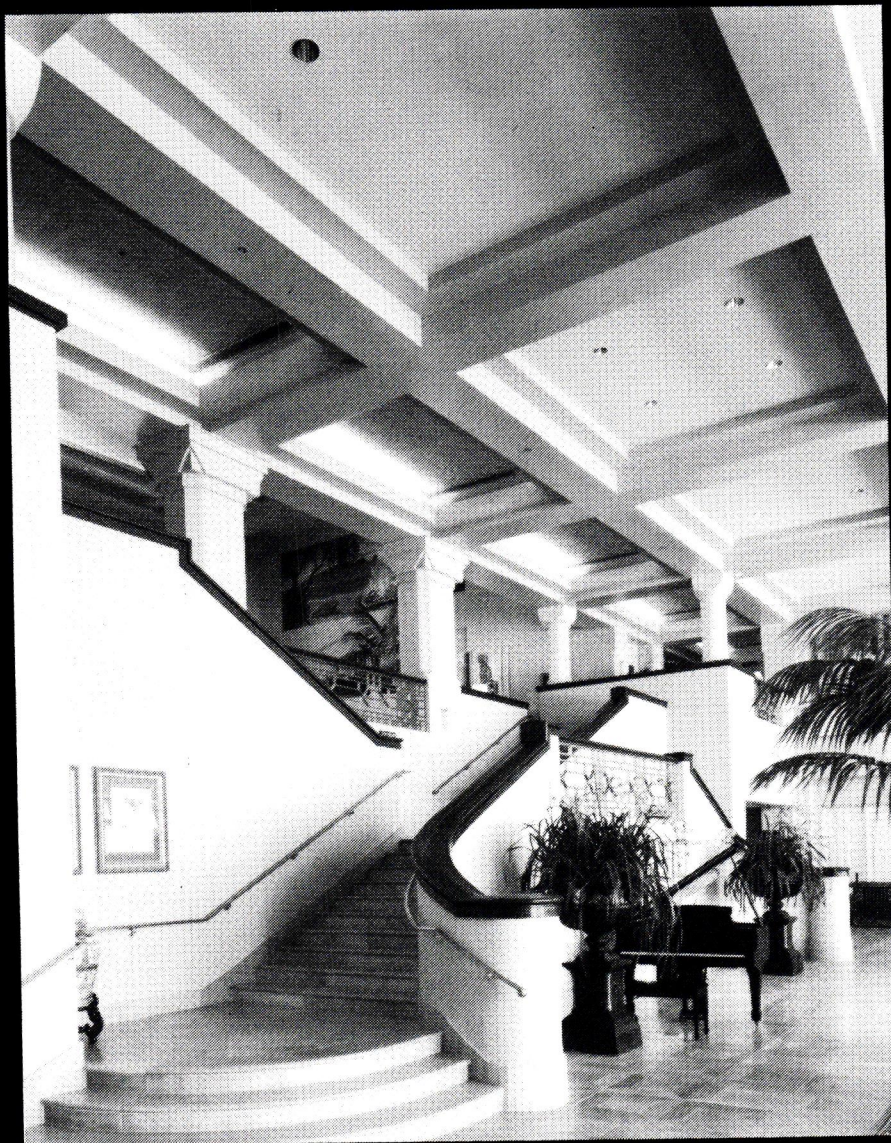
include five days at Manele and five days at Koele.

Overlooking the crescent of Hulopoe Beach, the Manele Bay Hotel is conceived as a series of cascading villa structures flanking a main house. The main house contains reception spaces, restaurants, shops and second-floor suites. The villas comprise the bulk of guest rooms and suites.

The villas form courts by which they are identified and each of the courts represents an ethnic group which has contributed to the rich diversity of Hawaii. Courts, with landscape designed by Juli Walters of Walters, Kimura, Motoda, Inc., include Hawaiian, Japanese, Chinese and Cosmopolitan gardens.

The architecture also echoes the multi-ethnic culture of Hawaii incorporating Mediterranean walls and arcades, "Hawaiian" roofs derived from Chinese roof forms in the 1920s and 1930s, kapa-patterned puka block and Chinese and Japanese motifs in detailing.

Circulation and service patterns of the hotel are influenced by the two-story maximum height restrictions on Lanai. The lower back-of-house floor qualifies as a basement. Vertical circulation focuses on four-level "parlors" connecting two interlocking sets of two-story courts. These parlors also are envisioned for casual meeting, lounging and continental breakfast dining beside the adjacent pools. The multi-level parlor buildings provide a functional, social and visual accent for the court villas.



DAVID FRANZEN PHOTO

Interior spaces flow from level to level with gracious stairways.

JURY'S COMMENTS:

"It has a nice resort feeling. It's quite grand yet it's simple."

"There's a real sort of style to the place."

"It's grand but not over whelming and pompous."

"... spectacular success as a hotel."

CREDITS:

Owner:

**David H. Murdock,
Castle & Cooke Properties**

Architects:

**Group 70 International
Arnold C. Savrann, AIA**

Landscape Architect:

Walters Kimura Motoda, Inc.

Civil Engineer:

M & E Pacific, Inc.

Structural Engineer:

Robert Englekirk, Inc.

Mechanical Engineer:

Benjamin S. Notkin/Hawaii

Electrical Engineer:

**Toft Moss Farrow &
Associates**

Contractor:

**Hawaiian Dredging &
Construction Company**



DAVID FRANZEN PHOTO

Villa elements cascade down the hillside toward Hulapoe Beach at the Manele Bay Hotel on Lanai.

Vinyl Windows Designed for Hawaii

by Joni Ketter

If you're looking for windows that won't rust, rot or corrode, solid vinyl framed windows may be the answer.

Vinyl has been used for window frames in Europe for 70 years and on the mainland for more than 20. The perfect product to withstand Hawaii's sunny, salty environment, vinyl has been introduced to the islands a little bit at a time.

Kurt Winner, a 15-year veteran in the vinyl window industry, has designed and patented a complete line of vinyl window frames specifically for Hawaii's climate.

Properly formulated Poly Vinyl Chloride (PVC) is competitively priced and will stand up for 50 years or more. PVC windows are used extensively on the mainland due to their insulation benefits.

"On the mainland, the market is different," Winner explained. In regions with diverse weather conditions, windows are double or triple paned. "Here, the need for that doesn't exist."

Consequently, Winner designed

a window frame with a single pane of glass. "We used the minimum amount of vinyl and the maximum amount of glass for the wonderful views here," said Marie Winner, vice president of her husband's firm, Coastal Windows, Inc.

The Winners' decision to design a vinyl window specifically for Hawaii came about in 1986 when they moved to Kauai from the mainland. "The windows were falling apart," Marie Winner said. The answer wasn't to adapt or import a mainland product but to develop a specialized window for the island climate.

The sliding windows are designed so that nothing will corrode, Marie Winner said. "We use no aluminum. All fasteners are stainless steel."

Besides the temperate climate here, other factors had to be considered when designing a "Hawaiian" window, including the salt water. "Vinyl is the perfect building material for salt water climates," Kurt Winner

said, "because it will last forever."

Vinyl-covered wood windows are not impervious to rotting and termite destruction, he added, making a solid vinyl window more suitable for Hawaiian homes.

Windows by Coastal, the only manufacturer of vinyl windows in Hawaii, are heat-fused, resulting in a water-tight seal every time. "Aluminum frames are screwed together which allows for water entry in the corners," Kurt Winner explained.

Vinyl windows have been used successfully in Hawaii for years but until recently were somewhat unavailable. Entertainer Don Ho replaced the wooden windows at his Diamond Head residence to solve a termite problem there. He said he plans to have vinyl windows installed in his daughter's soon-to-be-built Lanikai home where salt is a severe problem.

Vinyl windows, available for new homes or remodeling projects, can be built to fit any



DECORATIVE PRECAST CONCRETE SYSTEMS

by VON HAUSEN STUDIO

- WALL CAPS
- BALLUSTERS
- BULLNOSE STEPS
- DOOR SURROUNDS
- FLOORING PAVERS

7 INTEGRAL COLORS
2 FINISH TEXTURES
COST EFFECTIVE

architectural surfaces incorporated



1111 Nuuanu Avenue • Suite 211
Honolulu, Hawaii 96817
Tel: (808) 523-7866 • Fax (808) 523-8199



Left, a home on Oahu's North Shore experienced wood rot and deterioration on a picture window facing the ocean. Right, a solid vinyl window frame provides a durable, aesthetically pleasing alternative.

opening. Also available in vinyl are sliding patio doors which roll on a teflon strip rather than rollers and incorporate a security deadbolt lock and security ventilation position — all without

the use of wood or aluminum.

Soon to be introduced to the Hawaii market are vinyl awning and casement windows. With 100 percent ventilation, security locks and stainless steel hinges, these

windows will be an ideal replacement for jalousie windows.

"We've taken the latest technology and directed it at an exact market," Kurt Winner said. **HA**

Gyp-Crete 2000™ Floor Underlayment

Because Not All Concrete Floors Are Created Level.

Maybe the concrete curled or the form work sagged. Or maybe the surface just wasn't smooth enough to accept a finished floor good.

To anyone who works with concrete, the problem of a rough, uneven, out-of-level floor is all too familiar.

Luckily, there's a solution.

Gyp-Crete 2000 pours over concrete and corrects a multitude of sins. It smooths rough spots without dusty grinding. It dries without shrinkage cracks, accepting foot traffic within 90 minutes of application. And at depths of 3/8 inch to 3 inches, Gyp-Crete 2000 can create a smooth, flat floor without time-consuming hand troweling.

Best of all, a Gyp-Crete 2000 crew can apply up to 30,000 square feet per day at a fraction of the cost of other cementitious underlayments.



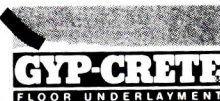
For more information, contact:

Jackson Contractors

P.O. Box 30668 Hon., HI 96820

847-2191

Contractors License # BC-10545



ECB Membrane Eliminates Tile Cracks

The threat of cracks destroying a beautifully tiled floor or a smooth sidewalk can be eliminated with one easy step.

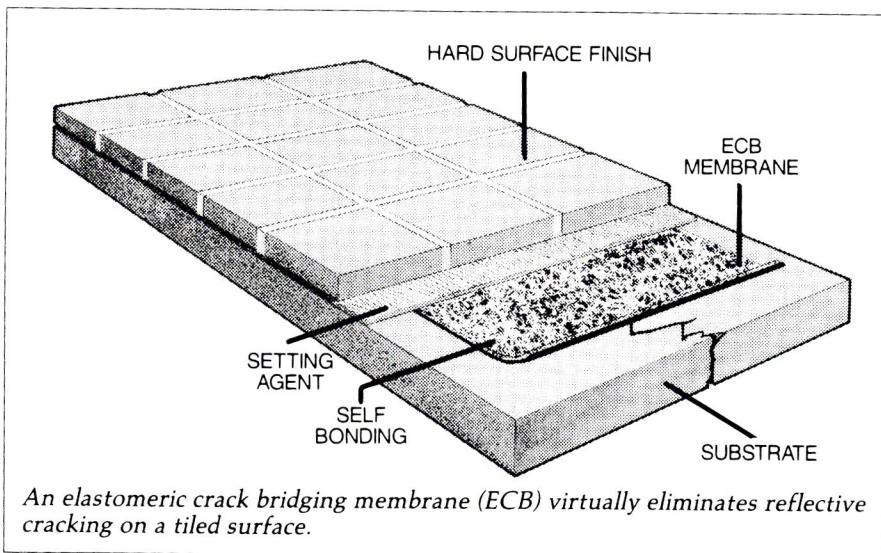
An elastomeric crack bridging (ECB) membrane is an underlayment for tiles which can be placed over concrete or wood floors and will virtually eliminate the possibility of cracks. "Even if the substrate cracks or has existing cracks, this membrane will keep them from telegraphing," said Mike Ferguson, territory sales manager for Central Pacific Supply Corporation/Tile Mart.

ECB, which comes in rolls, is self-bonding and contains no asbestos. The "peel and stick" feature of the membrane helps hold it in place while it is being installed, although Ferguson said it "really wouldn't matter if it stuck at all."

Unlike liquid applications which use chemicals and demand downtime for the solution to dry, ECB membrane allows floor and wall materials to be installed immediately.

ECB, only 40 mils (1/16-inch) thick, absorbs movement of the

substrate. "There's always movement in the substrate and this keeps it from moving," Ferguson said. The membrane uses a "stress flex" fiber sheet designed for use under most hard surface materials when cracks and joints threaten the integrity



You've been asking for it, now it's here...



GIBALTAR™
SOLID SURFACING

INTRODUCING GIBALTAR™ SOLID SURFACING
FROM THE MAKERS OF WILSONART® BRAND DECORATIVE LAMINATE.

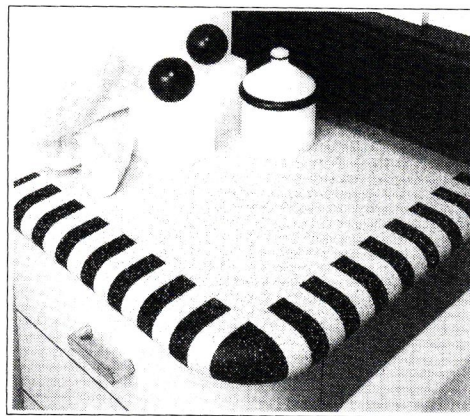
- Color consistency from sheet to sheet
- Coordinates with WILSONART decorative laminates
- Vanity bowls, white & natural almond in stock
- Available now in Hawaii, through:



KONA LAMINATES, INC.
73-5568 Kauhola St.
Kailua-Kona 96740
Phone: 326-2822 • FAX: 326-2821

VISIT OUR SHOWROOM:
2858 Kaihikapu St.
Honolulu 96819
Phone: 833-4344 • FAX: 833-4912

MAUI LAMINATES, INC.
269 Papa Place #5
Kahului 96732
Phone: 871-6500 • FAX: 871-5959



GIBALTAR Solid Surfacing in Platinum Stardust, with an edge treatment consisting of contrasting bars of Black Stardust. Cabinets are clad with WILSONART Decorative Laminate in matching Platinum.

of the surface material. The elastometric base layer absorbs movement of the substrate, acting as a damper. The stress flex carrier sheet provides a bonding surface for most acrylic modified mortars, organic adhesives and epoxy installation materials.

If waterproofing features are necessary for the project to be successful, a similar thin, self-bonding elastometric sheet-applied membrane is available. Permanently adhering to the substrate, the membrane forms a continuous, impervious water barrier, Ferguson said.

"This product is great for keeping water from a top floor from going down through the surfaces to another floor below," he said. Other uses for the product include commercial kitchens, showers, lavatories, decks, laundry rooms and other areas needing above-grade water protection. It can be applied over concrete, wood particle board, tile, VA tile, metal and asbestos floor tile.

The main difference in the two membranes is the seaming material used in the waterproofing material which allows the membrane to overlap and seal. Like ECB, the waterproof system can be installed without special equipment in little time and with little effort.

"These products are cost competitive with any comparable material," Ferguson said, adding that less labor requirements result in less expense. "It's the only anti-fracture membrane that can be walked on immediately afterward," Ferguson added. Approved by the Materials and Methods Standards Association, the membranes have been used extensively throughout the nation and in Hawaii.

Local projects which have utilized the anti-fracture product include the Executive Center and Ala Moana Center. **HA**

TWO NAMES YOU CAN TRUST



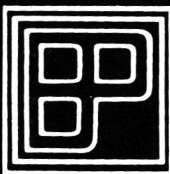
Con.Lic.No. BC-11445

**SKYLIGHTS
OF
HAWAII**

1824 Dillingham Blvd.
Honolulu, Hawaii 96819
(808) 847-5500 or FAX (808) 847-2244



**MARVIN
WINDOWS**



The Blue Print Company

Since 1914

820 S. Beretania Street • Suite 200 • Honolulu, Hawaii 96813 • Phone (808) 536-6148 • Fax (808) 536-6151

COMPLETE REPROGRAPHIC SERVICES

PICK UP & DELIVERY SERVICE AVAILABLE

- Blue Printing • Xerographic Copying
- Xerographic Reductions & Enlargements
- Color Copying • Photo Repro Services
- Laser CAD Plotting • Scanning
- Pin Register Overlay • Printing
- Mounting • Drafting Supplies & Equipment
- Servicing of most Blue Print Machines

"We'll do the job right . . . the first time"

Mon. — Fri. — 7:30 a.m. - 7:00 p.m.
Saturday — 7:30 a.m. - 12:30 p.m.

536-6148

The Blue Print Company
& Image Control Enterprises
are affiliate companies

Maui Architectural Group Wins Montessori School Design Contest

Montessori School of Maui has announced that Maui Architectural Group, headed by Jim Niess, AIA, won the design competition for its new school in Makawao.

After operating in rented quarters at several locations for 12 years, the Montessori board decided to construct its own school. Use of a site on Baldwin Avenue was arranged with the Cameron family. Located between the Hui Noeau Visual Arts Center and the Cameron family property, the new school will enhance the compatible community activities along Baldwin Avenue.

To make this a broad community effort, every architect on Maui was contacted. Each one received an invitation to express an interest in designing the school. From the 12 firms that responded affirmatively, three were selected to engage in a two-month limited design competition. In accordance with the standards of the American Institute of Architects, each firm was granted an honorarium of \$5,000.

The three firms were Maui Architectural Group — Jim Niess, AIA; Ormond Kelley/Edmond Akiona/architects, Inc., AIA; and Riecke Sunnland Kono, Architects

Ltd. — Hans Riecke, FAIA. The competition extended from mid-June to mid-August. Although the final judging was close, the jury decision was unanimous.

The jury report stated that Maui Architectural Group was selected because, "Its design is more conducive to the terrain and character of Makawao. The indoor/outdoor relationships of the classrooms are appropriate for the Montessori teaching method. The design is sensitive to the scale of the structures and the size of young children. Although the buildings are relatively simple in design, they offer the children and teachers an opportunity to create their own special environment. That's an important quality for Montessori teaching."

Site conditions and unique demands of Montessori education created a series of interesting challenges for the Maui Architectural Group. Much of the sloping 4.5-acre site lies in a natural bowl which complicates handicapped accessibility.

The lower half of the property is dominated by more than half a dozen mature trees: monkeypod, mango, silver oak and avocado.

The client's directive was to preserve as much of the existing terrain and vegetation as possible while creating a campus that echoes the structure of a typical Montessori classroom, with its freedom of movement and distinct, yet flexible areas for private and small-group study.

For Maui Architectural Group, the site suggested a natural axis, and "the trees gave us the clues." The firm designed a series of building clusters with classrooms located

FINLAY TESTING LABORATORIES, INC.

"CONSTRUCTION TESTING BY PROFESSIONALS FOR PROFESSIONALS"

Incorporated in Hawaii in 1977 Finlay Testing Laboratories, Inc. has continually maintained itself as the "FRONT RUNNER" for service and technology in construction testing throughout Hawaii and the South Pacific.

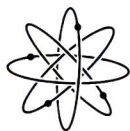
UBC-306 SPECIAL INSPECTION SERVICES

Fully staffed with Inspectors, Certified by the City & County of Honolulu and the International Conference of Building Officials, to insure Uniform Building Code compliance in the following areas:

- ❖ STRUCTURAL STEEL ❖ RE-BAR
- ❖ PRE-STRESS CONCRETE ❖ MASONRY
- ❖ CONCRETE PLACEMENT ❖ HIGH STRENGTH BOLTING
- ❖ WELDING ❖ FIREPROOFING

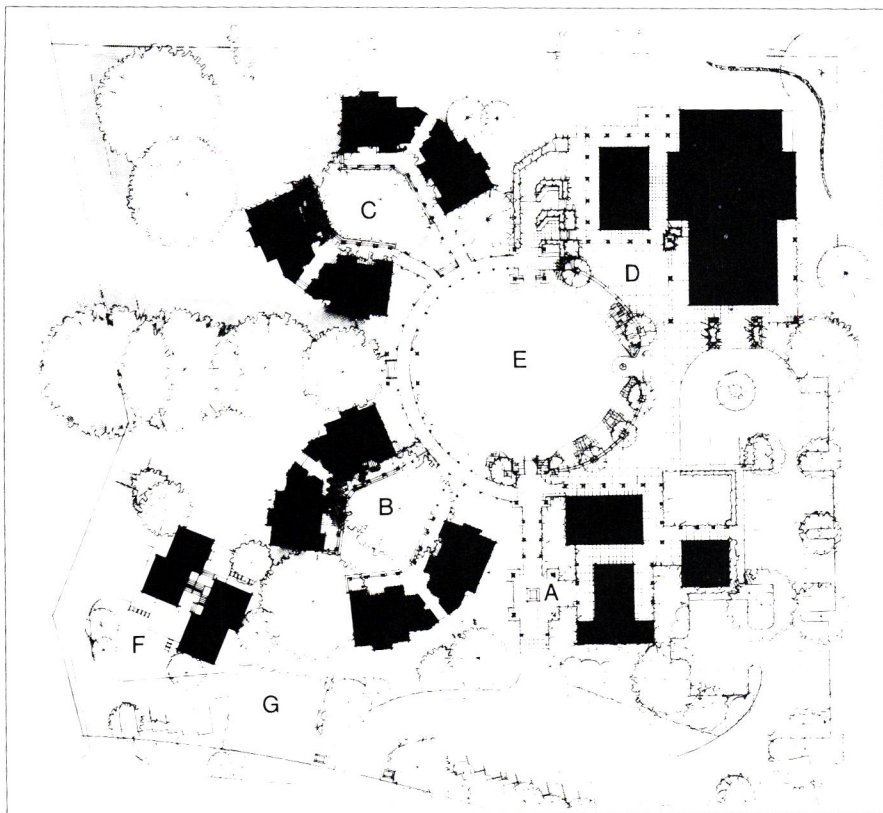
With over 200 years of combined experience in all fields of construction testing we continue to offer the following services:

- ❖ NON-DESTRUCTIVE TESTING ❖ SOILS & CONCRETE TESTING
- ❖ INDEPENDENT TESTING & INSPECTION SERVICES
- ❖ STRUCTURAL INSPECTIONS ❖ INFRARED SURVEYS
- ❖ WELDING PROCEDURE & CERTIFICATIONS
- ❖ METALLURGICAL ANALYSIS ❖ HEAT TREATMENT

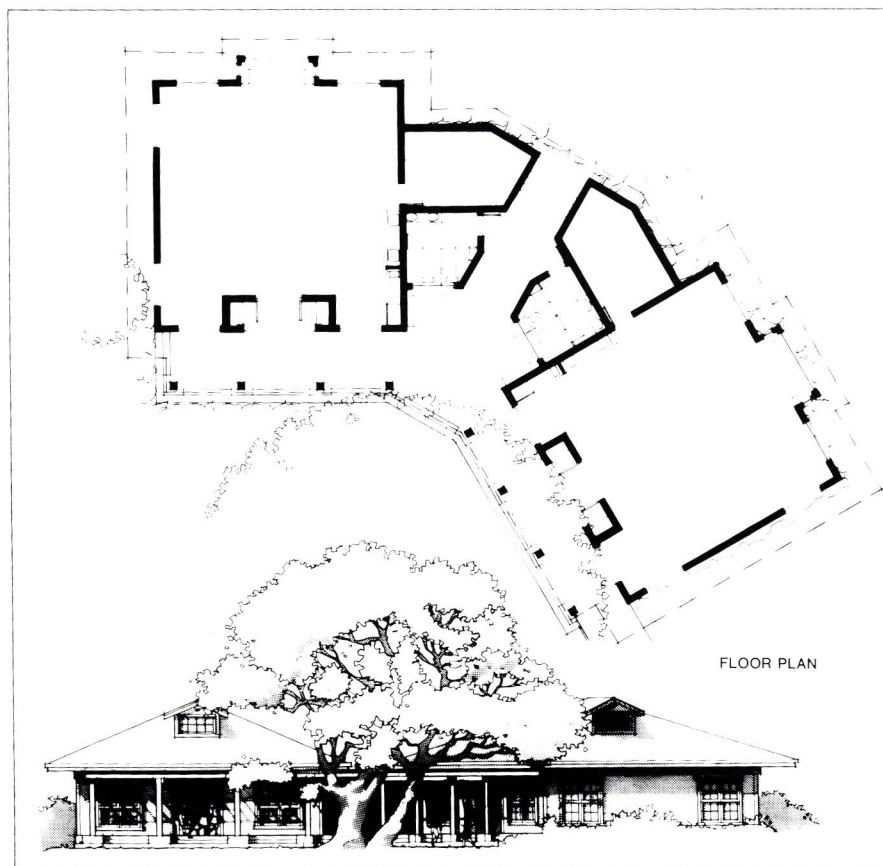


FINLAY

For detailed information please call us at (808) 487-0005



All public facilities are located at the mauka end of the site. They include an administrative complex (A) and a multipurpose center (D). Four preschool classrooms (B) and elementary classrooms (C) surround a large central sports area (E). Future construction will include faculty housing (F).



A series of building clusters located among trees enhance privacy and provide inviting shade for outdoor activities.

New-Fangled it ain't. MODERN IT IS.

For over 35 years **BOMANITE®** has led the way. Bomanite is the original colored, imprinted and textured cast-in-place concrete paving system.

More than 100 million square feet installed . . . over 175 specially-trained, equipped and experienced contractors in 29 countries . . . available in 25 standard colors and 45 patterns . . . custom patterns and colors are readily available. **Bomanite of Hawaii** has an enviable reputation for providing quality installations and service.

Bomanite's affordable elegance has no equal in quality, value and service.



BOMANITE® — More Colors, More Patterns

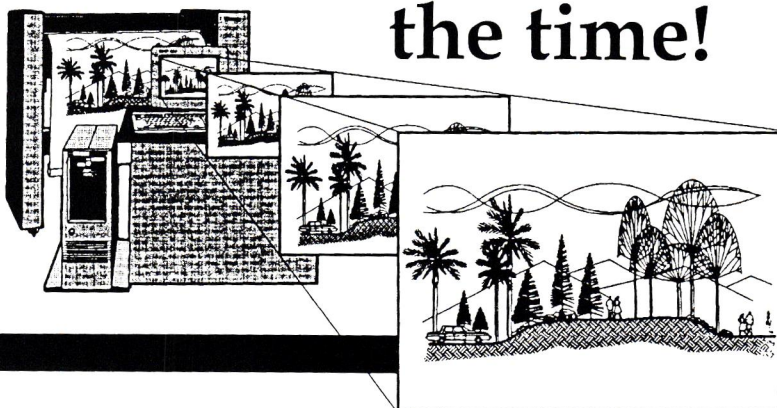
Call now for our recently updated L-O-N-G list of local projects. And for the beautiful updated **Bomanite** catalog, including color swatches.

We do not charge for design or product consultations. Ask for Bill South or Bob Hockaday.

MAp MANUFACTURERS
AGENCY PACIFIC
• Sales & Consulting

Phone: 262-2434/262-4273

If you have ever considered owning a CAD station, now is the time!



Whether you're putting together your first PC-based CAD system or upgrading your current one, you can draw on our experience to help you make the right decisions.

With Hewlett-Packard Vectra PCs and peripherals, you'll find PC-CAD products that best fit your application and budget—all backed by Hewlett-Packard's renowned reliability and service.

We have reliable, high-performance industry standard 386- and 486-based HP Vectra PCs with high-resolution 16- and 20-inch displays. The fast, high resolution graphics cards have your job a breeze. And we have superior-quality plotters and printers.

See how easy it is to draw on the power of CAD. Come in, or call Cliff or Layne at 523-0040 today for a demonstration.



**HEWLETT
PACKARD**

Connecting Point's AutoDesk Authorizations

AutoDesk Area Education Representative

Federal Systems Group Resellers

State and Local Government Resellers

AutoDesk Multi-Media Resellers



AUTOCAD

Connecting Point COMPUTER CENTERS

Oahu: 1613 Nuuanu Avenue • Honolulu • 523-0400

Maui: 360 Hoohana Street • Kahului • 871-7377

Hawaii: 75-5467 Kaiwi Street • Kailua-Kona • 329-3326

SALES • SERVICE • TRAINING

AutoCAD is a registered trademark of Autodesk Inc.

among trees which enhance privacy, create aesthetic focal points and provide inviting shade for outdoor activities.

More public facilities are located at the open, mauka end of the property. They include an administrative complex with offices and rooms for extended-hour care, and a multipurpose center housing music/drama rooms, a stage and auditorium, a library and an arts/science facility. Child-centered areas — classroom clusters and playgrounds — are less formal and are secluded among the trees. Four preschool classrooms are located close to adult areas of activity. Elementary classrooms are near the resources of the multipurpose complex.

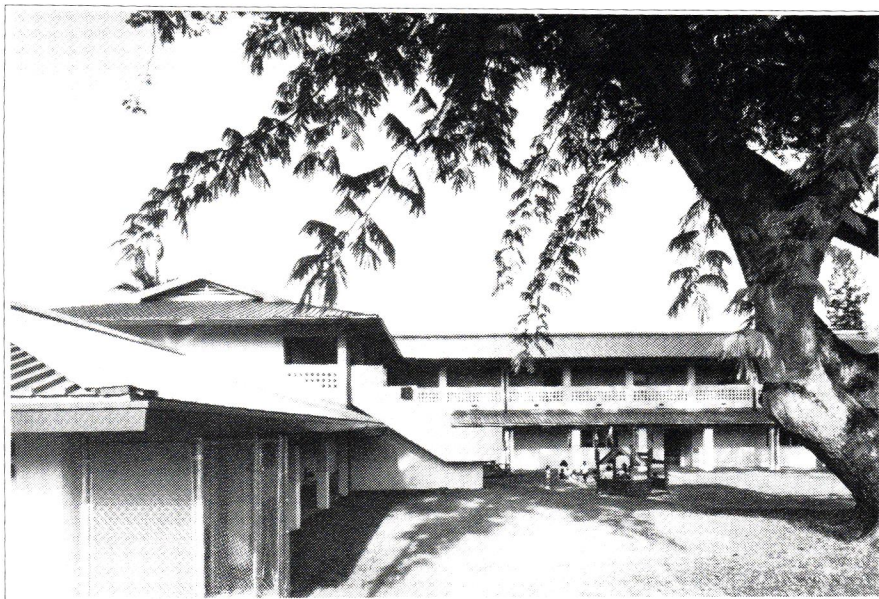
Mobility is a key aspect of Montessori, so the design includes covered walkways for easy circulation among the various building clusters. A handicapped-accessible ramp leading to the multipurpose building incorporates a series of terraces with benches and low walls.

Plans call for the first phase of construction, which includes the classrooms and administration complex, to begin in 1992. Future construction will add the multipurpose center, a large central sports area and faculty housing.

David Lundquist is project architect. Designers are Kae Elledge and Katharine Popenuk.

To oversee the project, a design committee headed by Montessori Board President Susan Root Graham was formed. Other board members and senior staff served on the working committee which compiled the program for the new school and then served as jury members for selection of the architect.

Also, serving on the jury were Roger MacArthur, senior vice president of First Hawaiian Bank, Kahului; design facilitator Olly Scott; Honolulu architect Charles R. Sutton, FAIA; and city planner Aaron Levine of Honolulu. Levine served as jury chairman. **HA**



Schofield Barracks' day care/religious facility design earned Group 70 Limited an award of merit from the Army Corps of Engineers.

Group 70 Receives National Award

Group 70 Limited has received a national "Award of Merit" from the U. S. Army Corps of Engineers for its design of the Child Development Center and Religious Education Facility at Schofield Barracks.

Norman G. Y. Hong, AIA, was Group 70's principal in charge and Roy H. Nihei, AIA, was the project manager.

The new Schofield facility was cited by Brig. General Clair F. Gill, division engineer, as a sensitive design which demonstrates "the highest levels of functional quality, economy, resource conservation, aesthetics and creativity."

The award was one of eight given nationally by the Army Corps and the only one presented in

Hawaii.

The two-story joint-use Army building, situated on an 80,000-square-foot site and dedicated in August 1990, serves more than 13,000 military families each month. Group 70's design retained a large Earpod tree. It also incorporates Hawaiian residential architectural elements, including roof overhangs, to provide shade and protection, and also takes advantage of tradewinds for energy conservation.

"We're told the facility has quickly blended into the fabric of life for both soldiers and families assigned to Hawaii," observed Hong. "We consider it to be unique in its recognition of the symbolic importance of the landmark tree." HA

ASID/Hawaii Chapter Presents Expo

The Hawaii Chapter of the American Society of Interior Designers (ASID) — Industry Foundation will be presenting the Pacific Interiors Expo '91.

The event will be held on Thursday Oct. 10 from 5 to 9 p.m. at the Mauna Kea Ballroom of the Hawaii Prince Hotel in Waikiki. On display will be the latest in interior design products.

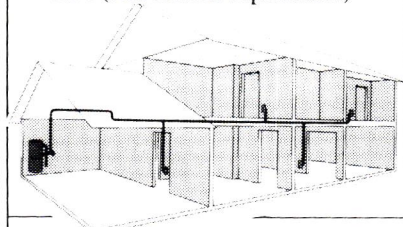
Admission is \$5 in advance or \$8 at the door. The price includes heavy pupus and validated parking.

A presentation will be made by Dr. Drake Beil, who can be heard daily on KHVH news radio. Beil will speak on "How to make the most out of your internal and external customer relationships." For more information, call Joyce Fukuyama at 735-2861. HA

WHY?

is a Central Vacuum System
6 times better
than a portable vacuum

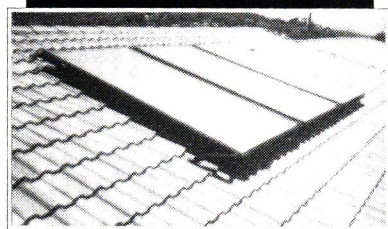
- **Cleaner Air, Less Dust**
(does not recirculate fine dust particles)
- **Quiet** (hear only a whisper of air)
- **Deep cleaning power**
(more powerful motor)
- **Convenience**
(simply plug into wall inlet)
- **Versatile**
(easily cleans draperies, ceilings, walls)
- **Value** (built in home improvement)



VACU-MAIDTM
Central Vacuum Systems.

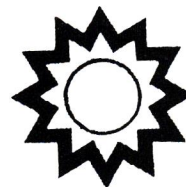
A Division of Inter-Island Solar Supply

Phone 523-0711 • Fax 536-5586



**What is useful
also can be
beautiful**

For product
specifications call



**INTER-ISLAND
SOLAR SUPPLY**
523-0711

Daly Elected to AIA Fellowship

The American Institute of Architects (AIA) has announced the election of architect Leo A. Daly III to Fellowship in the AIA, the highest rank accorded to members of the nation's professional architec-

tural society.

A graduate of the Catholic University of America in Washington, D.C., Daly headed Daly's international operations as a senior vice president in the late 1970s before

succeeding his father, Leo A. Daly Jr., FAIA, as chairman and president of the firm in 1981.

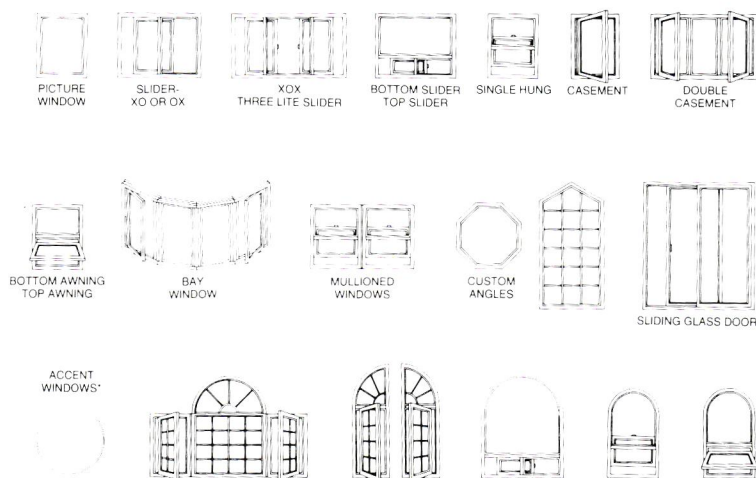
Daly holds professional registrations as an architect in 46 states and the District of Columbia, as well as in Australia, Guam, and the United Kingdom. He holds professional memberships in the AIA, the Royal Institute of British Architects (RIBA), the Royal Australian Institute of Architects (RAIA), the National Council of Architectural Registration Boards (NCARB) and the Society of American Military Engineers (SAME). **HA**

Vinyl Windows!

Mercer Industries and Honsador Inc.

announce their new
vinyl extruded windows and patio doors

And Look at the Shape They're In



- Salt corrosion resistant
- Weather-tight construction
- Low maintenance - no painting
- Smooth operating hardware



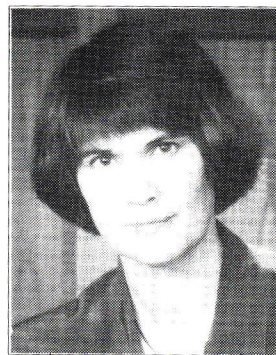
FOR INFORMATION CALL:

Honsador
Hawaii's Lumber People Since 1935

Oahu - 682-2011
Maui - 877-5045
Big Island - 329-0738

Seaman Named To Hawaii Theatre Board

Sheryl Seaman, AIA, ASID, president of Group 70 Limited has been elected to the board of Hawaii Theatre Centre. Seaman joins Glenn Mason, AIA, Spencer Mason Architects and president of the Hawaii Society AIA, as the second representative from the architectural profession.



Sheryl Seaman

Over 40 community, civic and business leaders are members of the Hawaii Theatre Centre Board. **HA**

UH Professor Elected ACADIA President

University of Hawaii Associate Professor J. Peter Jordan, AIA, was recently elected president of the Association for Computer-Aided Design In Architecture (ACADIA). Jordan is a member of the faculty of the School of Architecture and is currently serving as Interim Associate Dean.

John McIntosh, current ACADIA president, announced the results of the election in the spring 1991 issue of the ACADIA Newsletter. Jordan will serve as vice-president until he takes office at ACADIA '91 in October and will serve as president until October 1992.

"This organization serves as a forum for many of the most advanced theories on the application of computer technology to architectural design," Jordan said. "Its importance to architectural education and the profession lies in the fact that it is the only organization in the United States which regularly discusses, evaluates and publishes computer applications specifically aimed at the architectural design process."

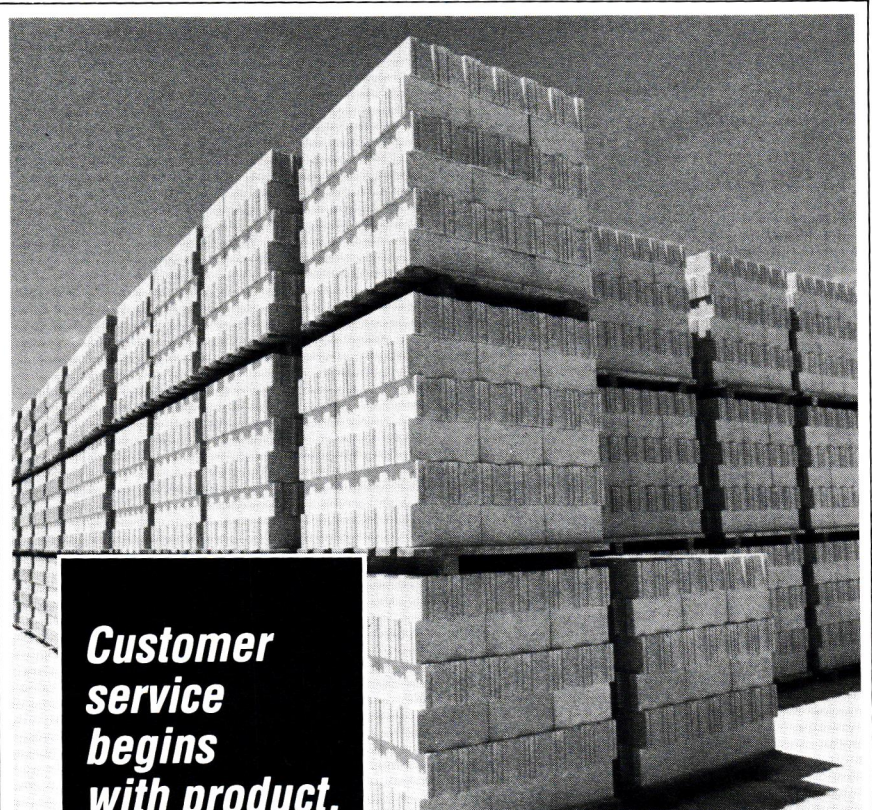
Jordan is a member of the Honolulu Chapter AIA and served on the 1990 Design Awards Jury. He teaches computer-aided design and architectural economics in the School of Architecture. He has been active in ACADIA since 1986, serving as a member of the steering committee since 1987 and as treasurer since 1988.

In 1990, he served as technical chairman of ACADIA '90, the annual conference of ACADIA. Jordan was recently invited to chair a session of the CAAD futures '91 conference which was held July 1-3 in Zurich, Switzerland.

ACADIA is an international organization of more than 200 members who are interested in the

use of computers in architecture, planning and building. A particular focus of the organization is education and the software, hardware and teaching methods involved in education.

Its members are educators, professionals and vendors who share these interests. ACADIA sponsors an annual conference and publishes conference proceedings and a quarterly newsletter. **HA**



***Customer
service
begins
with product.***

Ours is the best we can make it.
The finest state-of-the-art equipment helps.
Consistent product quality earns respect.
Professional masons depend on that.
It makes theirs a better job.

Being a leader was never easy.
We hope to last as long at the top
as our product lasts on the job.



TILECO, INC.

91-209 Hanua Street
Ewa Beach, Hawaii 96707
Phone 682-5737

Hawaii Manufacturers of Quality Concrete Blocks.

AIA Membership Roster Grows

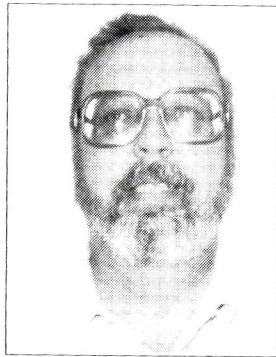
The following architects have recently joined the Honolulu Chapter/AIA:

Michael Coffman, employed by Sam Chang Architect & Assoc., received a bachelor of architecture from the University of Kansas. He is married and enjoys scuba, sailing, basketball and soccer.

Teresa Pineda Davidson earned a bachelor of science in architectural engineering and a master of architecture from the University of Texas at Austin. She is employed by Group 70, Limited. She is married and likes travel, photography and squash.

Richard P. Roll earned a bachelor of architecture and MBA from

the University of Detroit. He works at M&E Pacific, Inc. He and his wife, Marilyn, have two children, Annemarie and Elizabeth.



Richard P. Roll

Rebecca A. Duoos-Bourgazas graduated from the University of

Oregon with a bachelor of architecture. Employed by Projects International, she is married and has an 8-month-old son, Roy. She likes horseback riding and traveling.

Dennis Glynn earned a bachelor of science in architectural studies and is self-employed. He has a 4-year-old son, Sean, and likes traveling, study and performance of jazz, Southeast Asian music and photography.

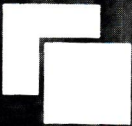
Peter Booth Hoolulu Maertens received a bachelor of architecture from the University of Hawaii and works for Kober Hanssen Mitchell Architects. He is married and has three children, Peter, 14, Genevieve Kekulani, 11 and Matthew Kameeiamoku, 3. He enjoys surfing, coaching AYSO soccer and playing guitar.

Mark D. O'Bryan is employed by Geoffrey Paterson & Associates, Inc. He received a bachelor of architecture from the University of Kansas and a master's degree from Washington University in St. Louis. He enjoys painting in oil and watercolor and the Healan Canoe Club.

Steve Olson is employed by Design Partners, Inc. He is married and likes motorcycling and gardening.

Philip Schmidt was awarded a master of architecture from the University of Washington and is self-employed. He and wife Heidi Stone have three children, and he lists skiing and biking as favorite pastimes.

Mario Tadeo received a bachelor of architecture from the Southern California Institute of Architecture and an MBA from National University. Tadeo is married and has two children. He enjoys woodworking and fishing.



NATURAL STONE DESIGN

NEW LOCATION



**Distributors of French Limestone,
Marble, Granite, Slate, Quartzite,
Sandstone and other Quality Natural Stone.**

1221 Kapiolani Blvd., Suite 112, Honolulu, HI 96814 • (808) 536-8371



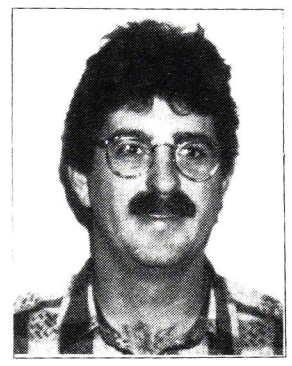
Janil C. Mateo



Bettina Mehnert



Marjorie Pawling



Steve Anderson

Alan V. Hilsabeck Jr. earned a bachelor of interior architecture from Kansas State University and is employed by Leo A. Daly Co. He and wife, Robin, have a 2-year-old son, Tyler. Sports, drawing and spending time at the beach are among his pastimes.

Janil C. Mateo received a bachelor of architecture from the University of Hawaii. She is employed by Avery H. Youn and enjoys horseback riding, tennis, golf, playing the guitar, four-wheeling, cooking, baking and keeping physically fit.

Employed by Architects Hawaii, **Bettina Mehnert** received degrees in architecture and computer science from Technical University, Trier, Germany. She enjoys biking, tennis, photography and skiing.

Marjorie Pawling is a University of Hawaii graduate with a bachelor of architecture. She is employed by Philip White Assoc. She is married and enjoys reading, painting and kayaking.

Steve Anderson graduated from the University of Idaho with a bachelor of architecture and now works for Franklin Gray & Associates. He likes hiking, snorkeling, sailing and living life to its fullest.

Charlene Oka Wong earned dual bachelor degrees in architecture and human development from the University of Hawaii. She is employed by Projects International and is married to Dr. Bryan M.K. Wong, D.M.D. Her hobbies are running, cycling, swimming, skiing, travel and computers.

A Mark of Distinction



Look for this logo on the windows and doors of quality homes under construction or being remodeled in Hawaii.

If you don't see the Pella logo, you'll know that the owners or developers settled for less than the best.

Don't let it happen to you.

Demand the best—Pella.

JBL
HAWAII, LTD.

Hawaii's Largest Distributor
of Architectural Materials
And Hardware.

*"JBL, Quality Products
and Superior Customer Service."*

531 Waiakamilo Road
Honolulu, Hawaii 96817

Phone: 847-4021

Vicente B. Caballes earned a bachelor of environmental design and bachelor of architecture from North Dakota State University. He is employed by COS International and lists photography, reading and sketching as hobbies.

Marie A. Connell earned a bachelor of architecture from Boston Architectural Center and is employed by Wimberly Allison Tong & Goo. Her hobbies are tennis, swimming and cooking.

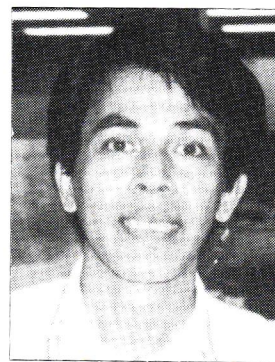
Employed by Sutton Candia Partners, **Cesar Jose De Leon** graduated from the University of Hawaii

in 1988 with a bachelor of architecture. He lists volleyball and basketball as hobbies.

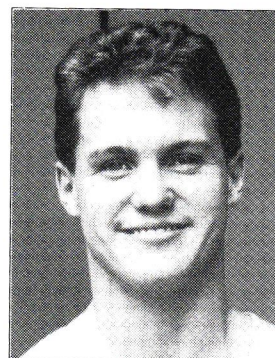
Udom Pongsawat is employed by Wimberly Allison Tong & Goo. He earned a master of architecture from the University of Oklahoma and a bachelor of architecture technology from the New York Institute of Technology. He and his wife, Niramol, have one son, Adam. He enjoys water color painting.

Denise L.G. Loo received a bachelor of architecture from the University of Hawaii and is employed by M&E Pacific. She lists sports, reading, camping and playing piano and flute as hobbies.

Employed by Wimberly Allison Tong & Goo, **James Frederick Horman** received his training at Miami University. He enjoys rendering, windsurfing, sailing, reading and music.



Udom Pongsawat



James Frederick Horman



SPECTRA-TONE-PAINT CORP.

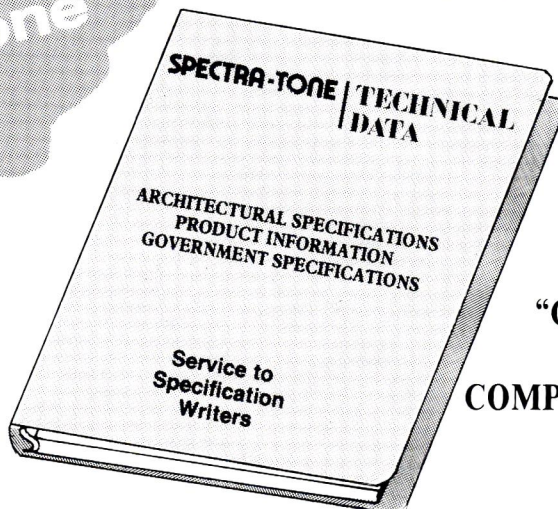
New
Release
From
Spectra-Tone

*The most
up to date
spec manual*



**PACIFIC
PAINT
CENTER**

Telephone (808) 836-3142
2865 Ualena St.
Honolulu, Hawaii 96819



**"CALL TODAY
FOR YOUR
COMPLIMENTARY
CATALOG"
836-3142**

Young Architects

Continued from Page 7

Throughout these meetings there has been a strong theme which has come through loud and clear: the young architects are looking at the future with strong positive aspirations. Many are considering alternative careers; many are considering traditional and non-traditional approaches to the architectural profession.

For the first time in a long time, the profession has challenged the leaders of tomorrow to start looking beyond the drafting board of today and to take responsibility for the future of the profession. These young architects are full of energy, life, and enthusiasm.

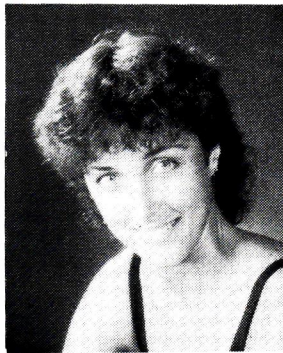
They all share a common element — the love of the profession — and they are all very interested in making the future bright for all of us.

We need to support and encourage our young architects to become all they can be. For many of us this may mean supporting programs which will encourage the growth and development of these future leaders.

One of the goals the YAF has focused on is the development of a Silver Citation award that would be presented to an outstanding young architect who has demonstrated abilities as a leader of tomorrow.

I, as chairman of the National Steering Committee, challenge all architects here in Hawaii to look to our young architects as tomorrow's leaders, and to find ways within our practices to encourage their development.

To the young architect, I believe, it is very important that you accept the opportunity given you, as tomorrow's leaders today — to do all that you can to learn, develop and explore what the profession has to offer, so that together we can all make it happen! HA



Kim Giovannella
Copy Technician

Advice from Kim...

Architectural Renderings

Marsh-type pens and watercolors sometimes will not reproduce accurately in a photo or slide. The reason? UV or infrared reflectance in the pigments can turn your green grass brown or your blue skies violet. Ask us about our free test to help your artists solve this nasty problem.

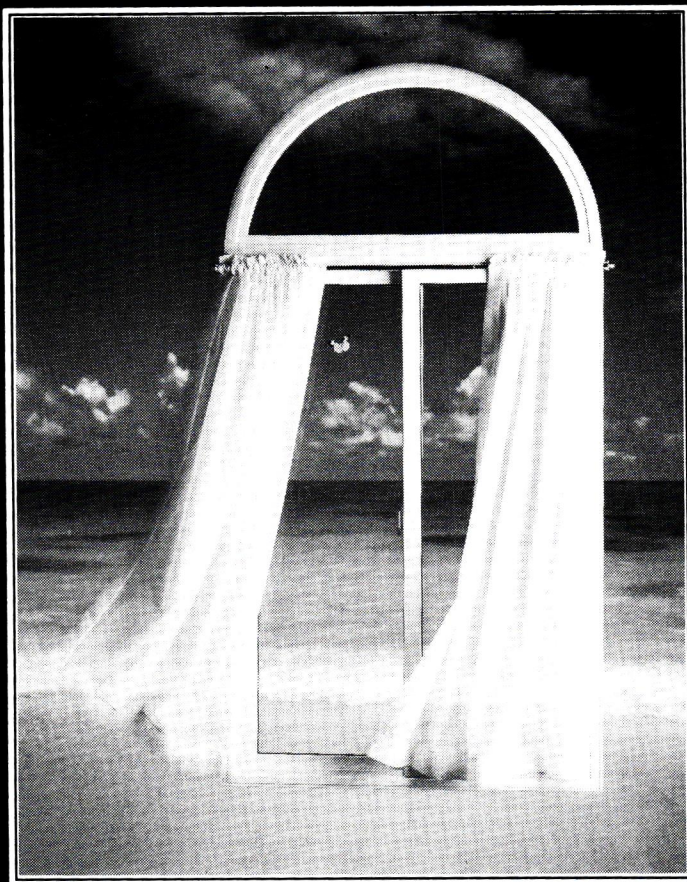


LIGHT INC.

Professional Photolab Services

627 South St.

526-0693



Elegant, Everlasting

**Corrosion Free Windows
Manufactured in Hawaii
for the Island Home**



Phone: (808) 676-0529

Fax: (808) 676-0823

Patent Number 5,014,466

Service Directory

*Design
Development*

SCALE MODELS

Brian Yamada

99-165 MOANALUA RD., ROOM 102
AIEA, HAWAII 96701 • (808) 486-0636

SPECIALTY SURFACING Co.
HAWAII, INC.

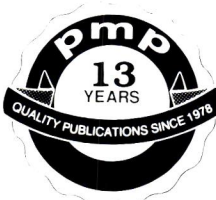
"HAWAII'S #1 TENNIS COURT
BUILDER, FINISHER & SUPPLIER"
ALL ISLANDS — SINCE 1976
Tel. 682-2021 Fax: 682-0777
Lic. No. C-8322

FREE SPECIFICATIONS & INFORMATION
91-087 Hanua Street. • Ewa Beach, HI 96707

Residential Builders Inc.

*Designers and Manufacturers of
Custom Corian Surfaces*

151 B Puuhale Road
Honolulu, Hawaii 96819
(808) 842-0040
Fax (808) 848-5458
Lic#C-16149



621-8200

ALL POOL & SPA

Residential/Commercial

- construction • renovations
- maintenance • replastering
- repairs • free estimates

Oahu, Hawaii, Kauai & Maui
Main Office: 261-8991 • Lic. #C-10892

**KATSUBE CABINET
& FIXTURE**

STORE FIXTURES
OFFICE RENOVATION
CUSTOM HOME IMPROVEMENTS
ALL TYPES—CUSTOM BUILT

1320 Kalani St.
#301 up the ramp

845-7447
Lic. No. C9295

AUTOCAD SERVICE BUREAU
Serving Architects & Engineers

NTI NewTech Imaging
PRINTING • COPYING • GRAPHICS

CAD DESIGN GROUP
704 Mapunapuna
Phone 833.6CAD • Fax 839.1203



CW ASSOCIATES, INC. dba

GEOLABS-HAWAII

Geology, Soils and
Foundation Engineering

2006 Kalihi Street
Honolulu, HI 96819 (808) 841-5064

J W Inc.

General Contractor
Lic. No. B 8458

Commercial Millwork & Cabinetry

James M. Watanabe, President
Known for Quality since 1976

630 Laumaka St., Honolulu, HI 96819
Phone: (808) 841-5888 • Fax: (808) 842-5941

Environmental Management

- Environmental Site Assessments
- Asbestos Surveys, Assessments
- A/E Design & Construction Monitoring
- Laboratory Analysis: PCM, PLM, TEM
- EPA Accredited Training
- Management Programs



Professional Service Industries, Inc.
Hall-Kimbrell Division
Honolulu 808/599-3870



**FINLAY TESTING
LABORATORIES**

- Soils & Concrete
- Non Destructive Testing
- Project Inspection & Quality Control
- Material Verifications & Monitoring

99-940 IWAENA ST., AIEA, HI 96701
(808) 487-0005

**SNYDER
&
ASSOCIATES**

- Soil Investigations
- Construction
Testing
- Septic Designs

Residential, Subdivision
& Commercial Projects

GEOTECHNICAL ENGINEERS

Serving All Islands

Lihue, Kauai (808)245-2818

PITTSBURGH CORNING
PCGLASSBLOCK®
PRODUCTS

LOCAL INVENTORY
SPECIFICATIONS AVAILABLE ON REQUEST
PRE-FABRICATED PANELS
ACCESSORIES AND SUPPLIES

Hawaii Glass Block
284 Kalihi Street 841-2565

RODE BROS.

FINE HARDWOOD FLOORING SINCE 1930

**CUSTOM PATTERNS • INSTALLATION
REFINISHING**

HANDSCRAPING • DISTRESSING • BLEACHING
RESIDENTIAL & COMMERCIAL

522-5751

LIC. #C-14288 BONDED INSURED

DENNY MOORE

CERAMIC TILE • NATURAL STONES •
QUARTZITES • SLATES • LIMESTONES
BRICK/CONCRETE INTERLOCKING PAVING

TELE/FAX #836-0048

990 Ala Nanala 2-C

Honolulu, HI 96818

**To reach architects and related industries,
your advertising media is *Hawaii Architect*.
Call Miki Riker at 621-8200 for more information.**

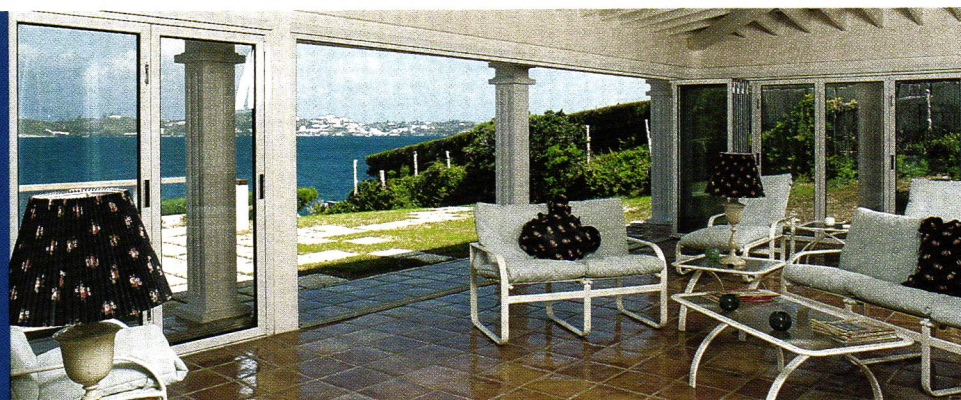


MIRAGE™

NOW
YOU SEE
THEM...



NOW
YOU DON'T!



FOLDING GLASS WALLS

Infinite Architectural Possibilities.

A Versatile System Capable Of Adapting To Any Structure.

- The Mirage System transforms an average room into a totally open screened area.
- If standard model doesn't fit, a custom unit can be manufactured to your requirements.
- Compact when folded, it provides a 92% opening unlike sliding doors with only 45% opening.
- Separate complete folding glass doors with sliding screens.
- Designed to keep the unit airtight and energy-efficient. Perfectly insulated.
- 5-year limited warranty.
- Aluminum frames available in PPG Duracron White or Quaker Bronze finishes with or without tinted glass.

Meets Or Exceeds AAMA 501-83 Standards.

Distributed & Installed By



MIDPAC LUMBER CO., LTD.

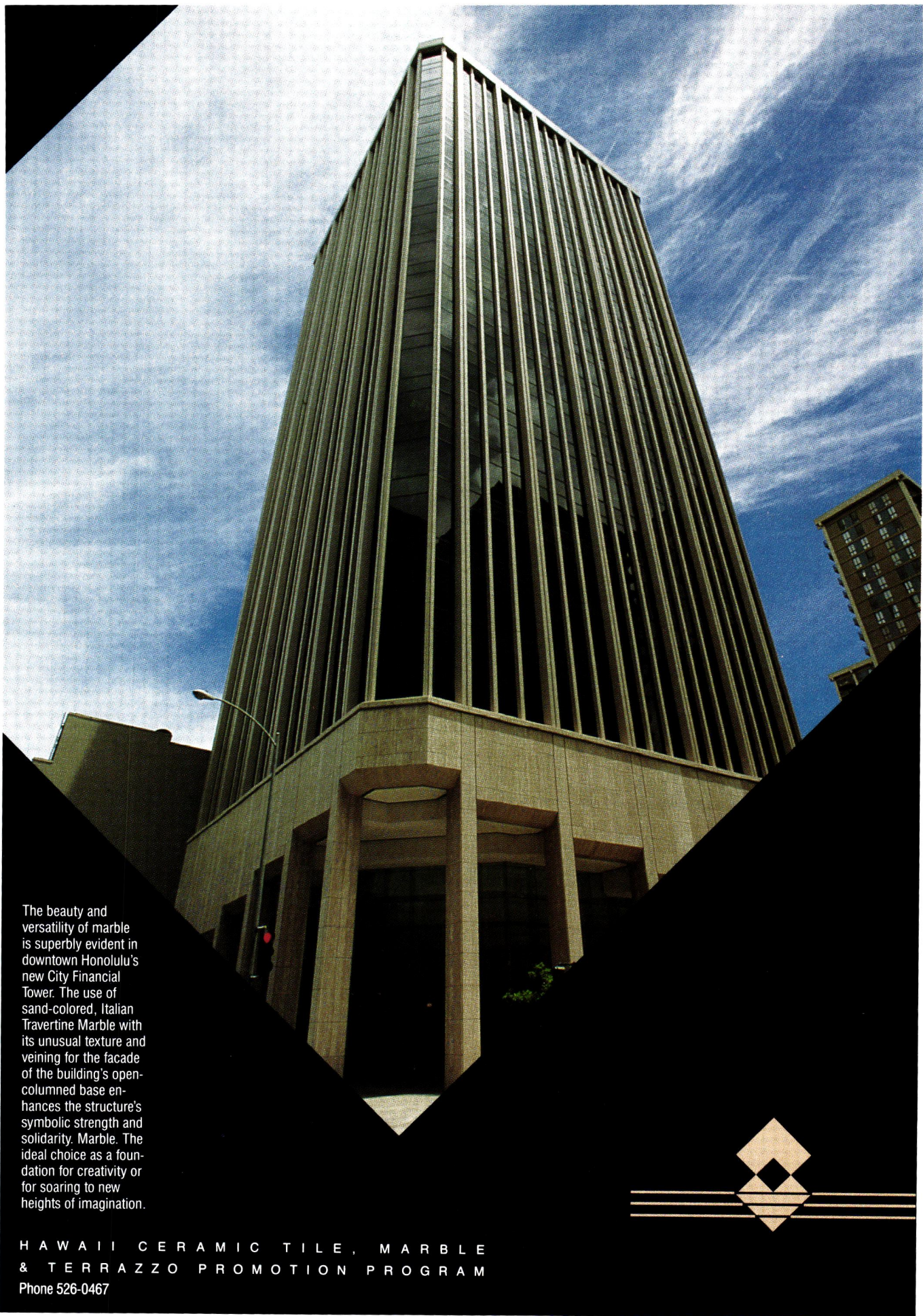
"Home Of Quality Building Materials"

1001 Ahua St. • Mapunapuna Industrial Area

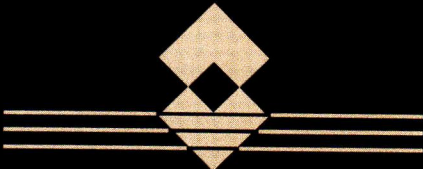
Phone: 836-8111



Full-size window and door units on display. For assistance and specification development and design possibilities contact: Gary Buza or Ken Mijo at 836-8111. Installation Available By Qualified In-House Installers. License: C-16897



The beauty and versatility of marble is superbly evident in downtown Honolulu's new City Financial Tower. The use of sand-colored, Italian Travertine Marble with its unusual texture and veining for the facade of the building's open-columned base enhances the structure's symbolic strength and solidarity. Marble. The ideal choice as a foundation for creativity or for soaring to new heights of imagination.



HAWAII CERAMIC TILE, MARBLE
& TERRAZZO PROMOTION PROGRAM
Phone 526-0467

A Work of Art



Even in these modern times, Bisazza Mosaico of Italy still uses Italian craftsmen to bring back the lost art of Byzantine Smalti Mosaics. In this style, each piece of glass is hand cut and hand set to form the mural.

Artwork by:
Ms. Yvonne Cheng
Project by:
Carl Steadly—
ITD Commercial
of Honolulu
Installation by:
Pacific Terrazzo & Tile



GRAND HYATT AT WAILEA, MAUI



**ITD
Commercial**

*a Division of
International Tile Design*

330 Sand Island Access Rd., Hono., HI 96819 • 847-5959



BISAZZA
mosaico

JORGENSEN METAL ROOFING



Architect: Charles R. Sutton & Associates, Inc.



JORGENSEN STEEL & ALUMINUM

STEEL • CULVERT • FASTENERS • GALVANIZING • ROLL FORMING • 91-104 Kalaeloa Blvd. • Ewa Beach, Hawaii 96707 • (808) 682-2020 • Neighbor Islands 1-800-352-3612