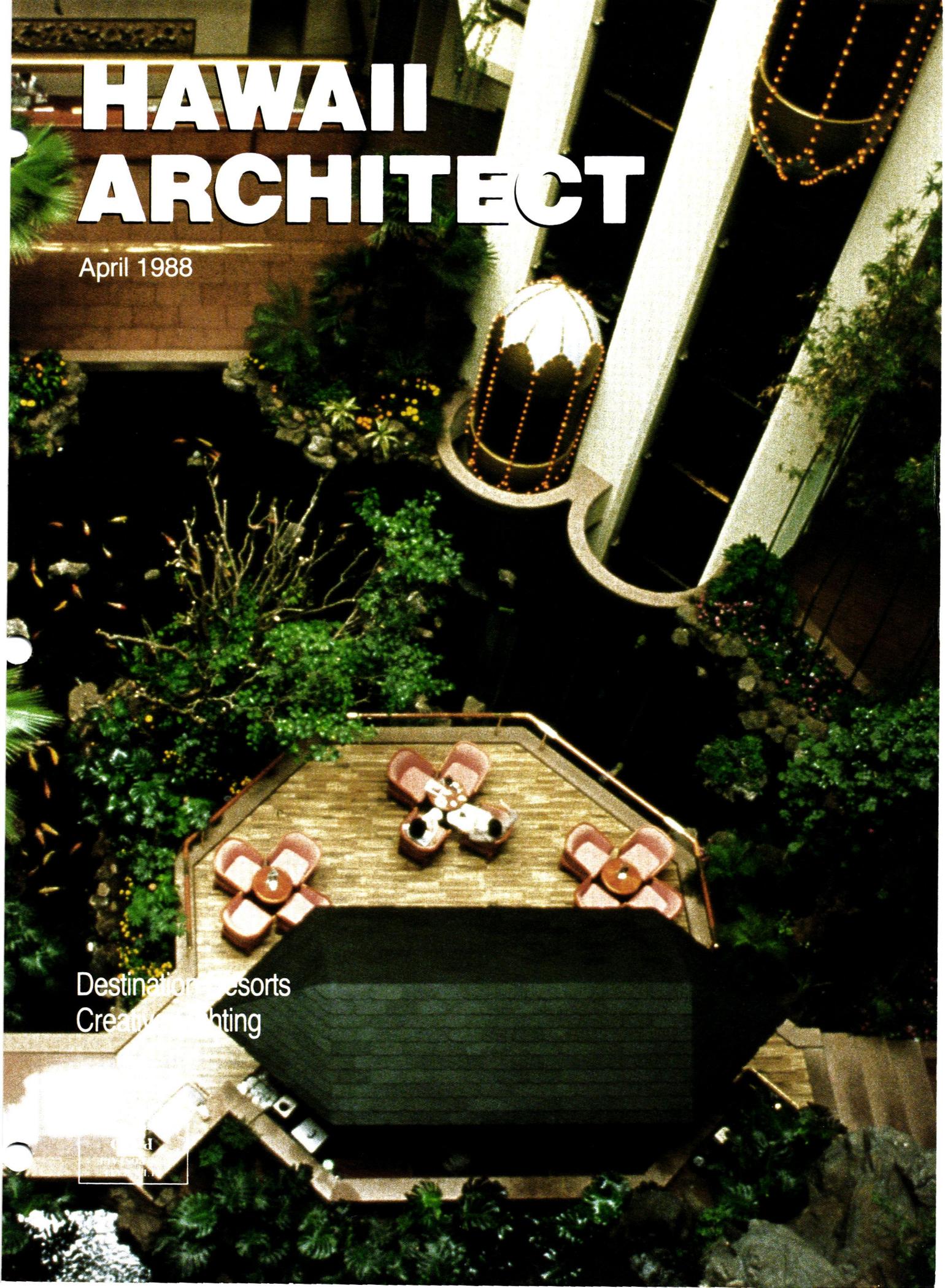


# HAWAII ARCHITECT

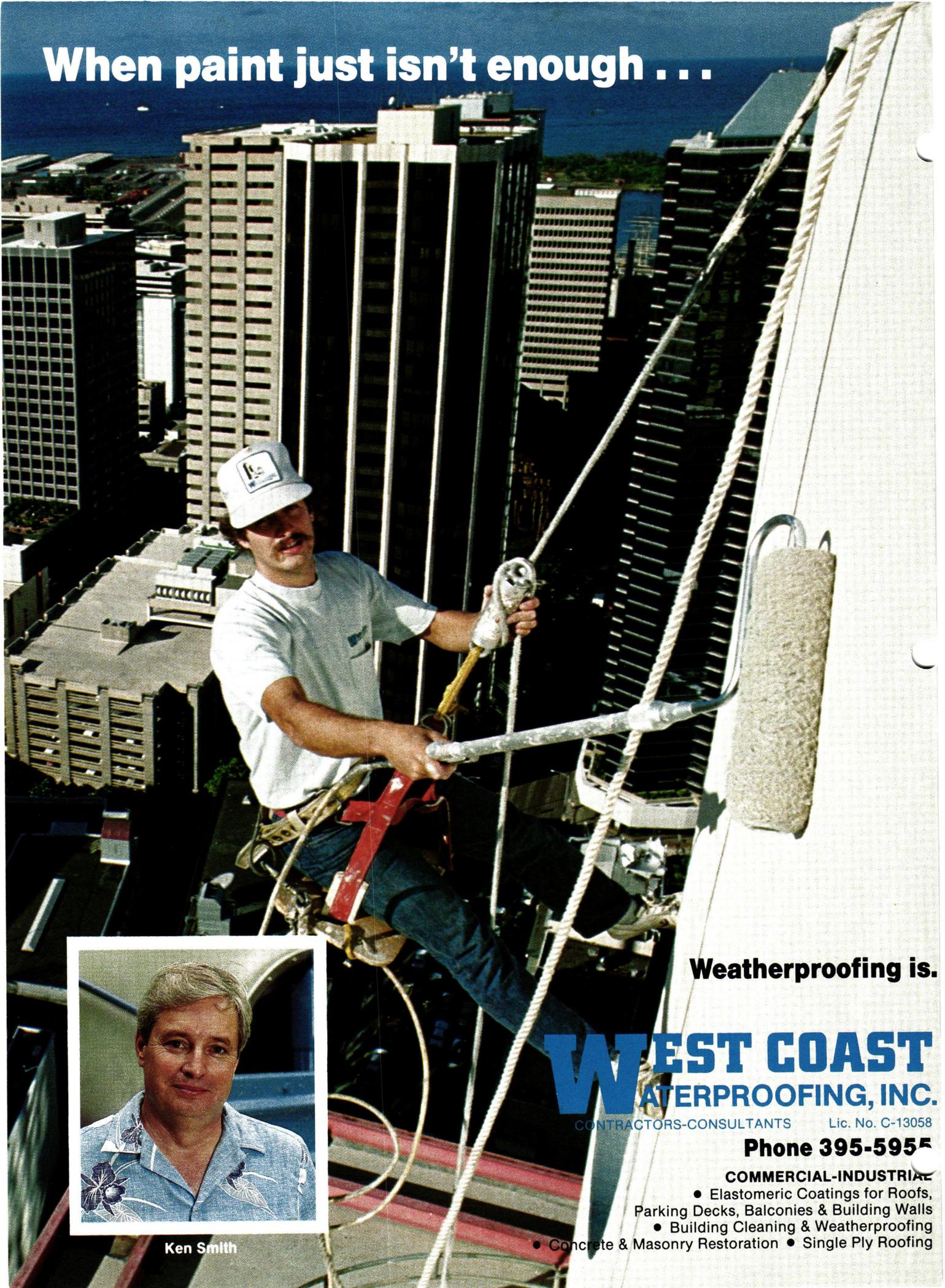
April 1988

Destination Resorts  
Creative Lighting

United  
Architects  
Inc.



When paint just isn't enough . . .



Weatherproofing is.

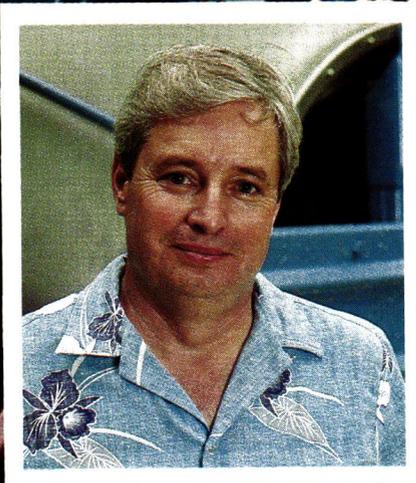
# WEST COAST WATERPROOFING, INC.

CONTRACTORS-CONSULTANTS Lic. No. C-13058

Phone 395-5955

## COMMERCIAL-INDUSTRIAL

- Elastomeric Coatings for Roofs, Parking Decks, Balconies & Building Walls
- Building Cleaning & Weatherproofing
- Concrete & Masonry Restoration • Single Ply Roofing



Ken Smith



# Most business deals boil down to financial muscle.

You either have it or you don't.

The advantage comes from a tough business sense, as well as a strong banker with clout.

At First Interstate, you've got both. A financial expert whose analytical skills and sound judgement can create the winning edge in any business deal, a strategic partner who works with you from the start to develop solutions and opportunities to keep your profit picture rosy.

Adding strength to muscle, you also have the support of the nation's largest

multi-state banking system with over \$52 billion in assets.

With these extensive resources, First Interstate offers local businesses a wide range of services all under one roof. From innovative financing techniques to advanced cash management products. From exceptional customer service to specialized industry expertise.

Let's talk about what a strong financial network can do for your business future. Call First Interstate at 525-6820 today.

Member FDIC



**First Interstate** Bank

# Double Take

The paths we walk, the roads we drive,  
the streets we live and work on . . .  
they're worth a second look.

Playing a key role in the construction of Hawaii's streets and highways since 1921 have been the kamaaina companies now known as GracePacific. We've been combining local products, local skills, and local labor to make it all work for you.

That second look?  
It's worth running an ad about.



King Street at Bethel Street



**GracePacific**

C O R P O R A T I O N

Asphalt Paving Contractors and  
Construction Suppliers to the Trade.

Quarries at Makakilo, Waimanalo,  
and Barbers Point.

Operations on Oahu and the Neighbor Islands.

P.O. Box 78, Honolulu, HI 96810  
(808) 487-7916

# Contents

Volume 17, Number 4

April 1988

## President's Message

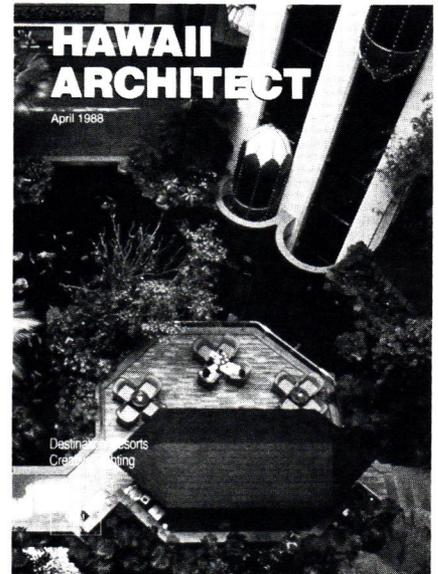
- 7 Hawaii Resort Design: Exportable Success**  
Hawaii firms have contributed significantly to several world famous resorts.  
by Norman G.Y. Hong, President, Hawaii Society/AIA

## Destination Resorts

- 8 A Fantasy With Substance**  
The outside world is about to discover Lanai.  
by Francis S. Oda, AIA
- 12 The Stories of an Island Culture**  
The Palau Pacific Resort reflects a strong cultural influence in design.  
by Michael James Leineweber, AIA
- 17 A Flagship for a New Resort**  
The Hyatt Regency on Cheju island in Korea sets the pace for the Choongmoon Beach Resort.  
by Mazeppa Costa
- 20 From Vision to Reality**  
Chris Hemmeter's super resorts provide fascinating design opportunities.  
by Jan Kagehiro

## Creative Lighting

- 25 An Art and a Science**  
Creativity and technical background work together in achieving effective lighting design.  
by Richard M. Moss
- 28 An Illuminating Medium**  
Lighting enhances the space, creates the mood and evokes a response.  
by Rick Chong
- 32 News**
- 34 New Members**



*The interior of the Hyatt Regency Cheju focuses on a central atrium which provides a tranquil tropical atmosphere for hotel guests. Photo by David Franzen*



## **pmp company ltd**

Publishers

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

PUBLISHER/EXECUTIVE EDITOR  
**Peggi Murchison**

MANAGING EDITOR  
**Jamie Kemp**

Assistant Editor  
**Bianca Kaplanek**  
Editorial Assistant  
**Michelle Cometa**

PRODUCTION/ART DIRECTOR

**Cynthia Becklund**  
Production/Typography  
**Leonardo Henobio, Jr.**  
**Edwina Salac**  
**Pam Sledge**

SALES MANAGER  
**Miki Riker**

Account Executive  
**Mark Zanetti**  
Sales Assistant  
**Chris Klauschke**

OFFICE/BUSINESS MANAGER  
**Ted Kramer**

Office Assistant  
**Mary Jane Robinson**  
Accounting Consultant  
**Lori Murakami**

Copyright© 1988 PMP Company, Ltd., 1034 Kilani Avenue, Suite 108, Wahiawa, Hawaii 96786. All rights reserved. Reproduction of the whole or any part of the contents of *Hawaii Architect* without written permission is prohibited. **Postmaster:** send change of addresses to *Hawaii Architect* (ISSN 0191-83111) at 923 Nuuanu Avenue, Suite 201, Honolulu, Hawaii 96817.



# Allied Builders

## artfully brings Australian Consulate into modern age . . .

The work of Honolulu's Australian Consulate-General never ceases. When Allied Builders was asked to execute major expansion improvements, great diplomacy was needed.

Australian-made modules were integrated with American materials, requiring metric-American conversions and complicated scheduling. And the Aussies specified a first-class finish to TRB Hawaii's contemporary design.

Recalls the owner's rep: "The contractor responded with sensitivity, speed and skill. We like the results."

Ben Yoza  
project coordinator  
Allied Builders System

Mark Lively  
project manager  
TRB Hawaii

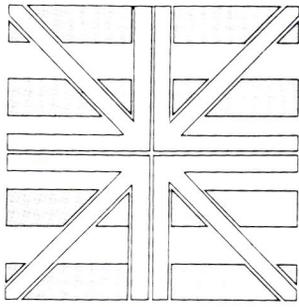
Cliff Terry  
principal in charge  
TRB Hawaii

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



Teamwork. Our motto.  
Our method.

Contractor License BC-5068



journal  
of the  
hawaii  
society/  
the  
american  
institute  
of  
architects

#### 1988 Hawaii Society/AIA Officers

**President**, Norman G.Y. Hong, AIA

**Vice President/President Elect**,  
Carol S. Sakata, AIA

**Secretary**, Charles A. Ehrhorn, AIA

**Treasurer**, Douglas P. Luna, AIA

#### Directors

Theodore E. Garduque, AIA  
Benjamin B. Lee, AIA  
Spencer Leineweber, AIA  
Ann N. Matsunami, AIA  
Jeffrey Y. Nishi, AIA  
Kathleen Saito, AIA  
Patricia T. Shimazu, AIA  
Andrew C. Yanoviak, AIA

#### Section Directors

J. Blaise Caldeira, AIA  
(Hawaii Island)  
Hans Riecke, FAIA (Maui)

#### Associate Director

Keith M. Tanaka

#### Hawaii Architect Committee

Michael S. Chu  
Thomas Culbertson, AIA  
Lee Davis, AIA  
Charles A. Ehrhorn, AIA  
Robert M. Fox, AIA  
Jeffrey Nishi, AIA  
Henry E. Reese, AIA  
Alan Rowland, AIA  
Patricia Shimazu, AIA

#### Hawaii Society/AIA

923 Nuuanu Avenue, Suite 201  
Honolulu, Hawaii 96817  
(808) 545-4242

#### Executive Vice President/CEO

P. Lee Mason

#### Executive Secretary

Beverly McKeague

#### Receptionist/Documents

Victoria A. Wong

*Hawaii Architect* is a monthly journal of the Hawaii Society/American Institute of Architects. Subscriptions are \$18 per year. Opinions expressed by authors do not necessarily reflect those of either the Hawaii Society/AIA or the publisher. The appearance of advertisements or new products and service information does not constitute an endorsement of the items featured.

## President's Message

# Hawaii Resort Design: Exportable Success

by Norman G.Y. Hong  
President, Hawaii Society/AIA

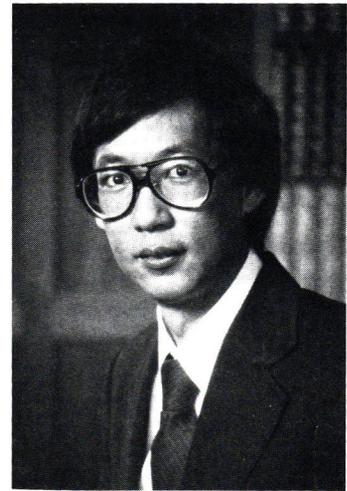
Hawaii is experiencing an architectural renaissance in its resort development and it's one that our own very excellent local talent can take credit for producing.

During the territorial years of our visitor industry, owners often went to the mainland for their design requirements. But today, with destination resorts a major trend, Hawaii's own firms, among them Wimberly Whisenand et cetera, Architects Hawaii, Lawton & Umemura, Group 70, Media Five and Chapman Desai Sakata, have collectively contributed several world famous resorts to our community and elsewhere in the Pacific. More are on the way.

In fact, where once we might have been regarded as the "unknown factor" in resort design, and then traveled through a sometimes painful coming-of-age, today we're the pacesetters.

In keeping with our Society's Pacific focus for 1988, I can't help thinking about the prospects for the future. Ours is, after all, a highly exportable service—and one we have only to make equally recognized and sought after in visitor-oriented communities and countries beyond our shores.

How does this happen? Actually, it already has. Witness, for example, the work that is under way by Wimberly Whisenand Allison Tong & Goo Architects on the \$700 million



Norman G. Y. Hong

redevelopment of Australia's World Expo site in Brisbane. This is only the beginning.

We would be foolish, however, to wait for our reputation in resort design to quietly work its way around the globe. We must be assertive. We must individually, and perhaps collectively, begin to market our talents abroad. Even when we are traveling for pleasure into foreign ports, for instance, it may be worth our while to visit their equivalents of our Chamber of Commerce and/or the Hawaii Visitors Bureau.

If sufficient interest in the idea of a collective outreach exists, the Society may opt to formally consider it for special programming. I will welcome your thoughts on our becoming "ambassadors of creative spirit" in resort development. HA

*The 102-room Koele Lodge, at the northern edge of Lanai City, will reflect the New England influence in early Hawaiian architecture.*



## Destination Resorts

# A Fantasy With Substance

*by Francis S. Oda, AIA*

**N**owhere is one person's fantasy more another person's reality than on Kauai.

Backed against the hills and at the island's center, a community of 2,000 resides within the Cook Island pine groves of Lanai City. Twelve thousand acres of pineapple fields stretch toward the sea, creating the setting and very reason for this community's existence.

The upland hills with deer,

quail and partridge provide meat for the table and adventure for the stout of heart. Miles of deserted sandy and rocky coastline promise solitude and fish. Romantic? Well, yes, but this is a romance punctuated by the 5:30 a.m. whistle that startles visitors and awakens plantation employees to each workday.

Residents of Lanai have balanced the realities and romance of the island into an enviable lifestyle that has seen little

alteration for three generations. Now the qualities that Lanaians so prize—the island's rugged beauty, wildlife, historic places and artifacts, its isolation and relaxed lifestyle—will cause change to the island and its people. Led by David Murdock, chairman and chief executive officer of Castle and Cooke, the outside world is about to discover Lanai.

What will they see? A fantasyland carved out of the

They will experience an island community opened to visitors; a resort not limited by the boundaries of hotel grounds, but extending to the life of an island.

island, isolated in its own illusions? A fictional Hawaii, to fulfill the tourist's desire for the exotic and bizarre?

Some might want this Fantasy Island experience, but they will not find it here. Instead they will experience an island community opened to visitors; a resort not limited by the boundaries of hotel grounds, but extending to the life of an island.

A key to this experience will be Lanai City. Lanai City is the quintessential plantation town and is said to be the third oldest

planned "city" west of the Mississippi. Begun in 1922, its gridded streets flank the nine-acre Central Park. At the top of this park, filled with Cook Island pines, is the Dole Company's office building. On both sides are the island's stores and shops. At the foot of the park are several churches, a county building and the school.

Immediately adjacent to the stores and spreading to the southeast and northwest sides of town are single-walled plantation houses with painted corrugated

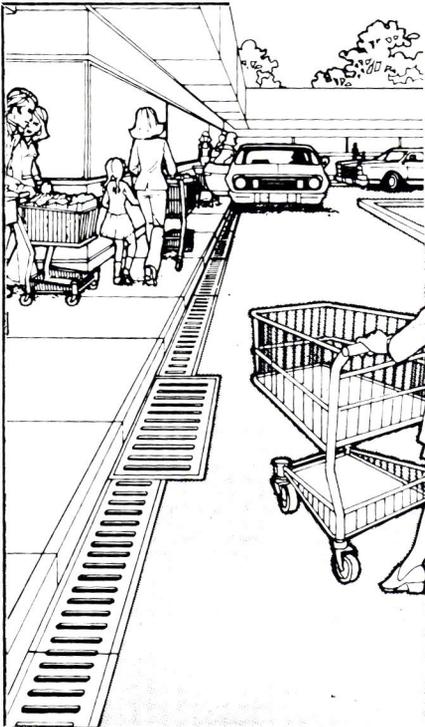
roofs. Yards are well kept and vividly green because of the town's higher elevation and cooler temperatures.

Lanai City will remain a functioning plantation town and its commercial core will continue to focus on the needs of the local community. No attempt will be made to shift to a Lahaina-like orientation.

Buildings will be refurbished or rebuilt in the character of the place and according to urban design criteria to be developed by Group 70 for Lanai City, in



## ACO Trench Drain Quiz



**Q:** Why in the world did Honolulu use ACO Channel Slope® trench drains in Waikiki for the Kalakaua Street Improvement? Seems like it would have been cheaper to do cast-in-place drains.

**A:** Surprise! ACO pre-cast channels actually saved money. No fancy formwork was required so installation cost less. And the 6" narrow grates look neater and fit perfectly every time.

**Q:** OK, so narrow grates are nice. But can a narrow drain handle a real tropical deluge?

**A:** Absolutely. Engineers have found that channel bigness has little to do with drainage effectiveness. What matters is **velocity**. Here's how ACO increases the velocity: • There is a .6% slope in every channel. Sizes run from 5" deep to 12" deep. • Channels are molded with rounded inside corners to improve flow. • The polyester concrete used is 10 times smoother and is more chemical resistant than conventional concrete.

### MANUFACTURERS AGENCY PACIFIC

ROOFING/SIDING • WATERPROOFING • CONCRETE/COATINGS • FIREPROOFING

Sales Representatives and Materials Consultants

1053 Koohoo Place, Kailua, Hawaii 96734 • Phone 262-2434/262-4273

Channel Slope is the registered trademark of ACO Polymer Products, Inc.



*A typical Lanai home exemplifies island construction.*

concert with Maui County's Country Town Urban Design guidelines. New single family housing for residents and hotel workers, designed by Kajioka, Okada & Associates, will be

woven into the community with appropriate forms and metal roofs.

The 102-room Koele Lodge, now under construction on the northern edge of Lanai City, also

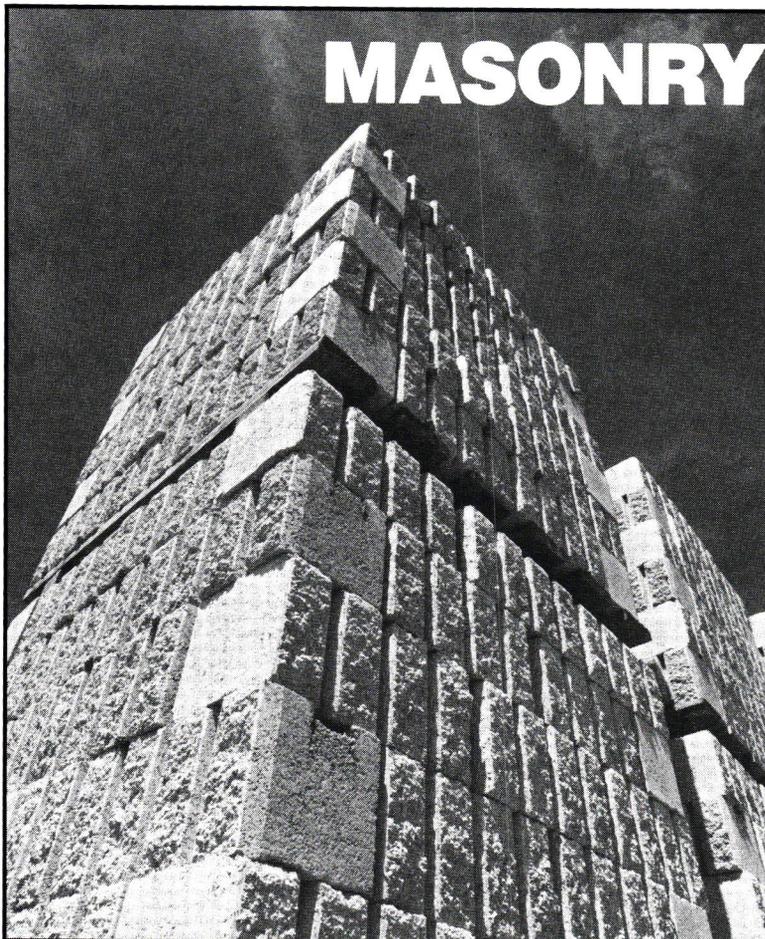
will reflect Lanai's traditional architectural qualities. Modeled after the Bloomfield-Brown house, Lanai City's first structure built in 1923 and the residence of the first plantation manager, the hotel reflects the New England influence in early Hawaiian architecture.

Nestled among trees on high ground at the end of an existing avenue of 60-foot high Cook Island pines, the hotel's character and setting will suggest that it has "always been there."

Landscape designed by Walters, Kimura & Associates will feature rolling lawns, ethnic gardens and a two-acre reservoir rediscovered while clearing the site. Southeast of the lodge will be an 18-hole course designed by Jack Nicklaus.

Southwest will be a stable and open pastures for horses. The Lanai Ranch used to occupy the site of the hotel and in the opinion of ex-cowboy Ernest

*(continued on page 38)*



# MASONRY OF TODAY... PROVIDES THE BLOCK OF AGES.

Your reliable licensed mason relies on us. We build every block to outlast the longest mortgage or lease. Good masonry makes it last virtually forever.

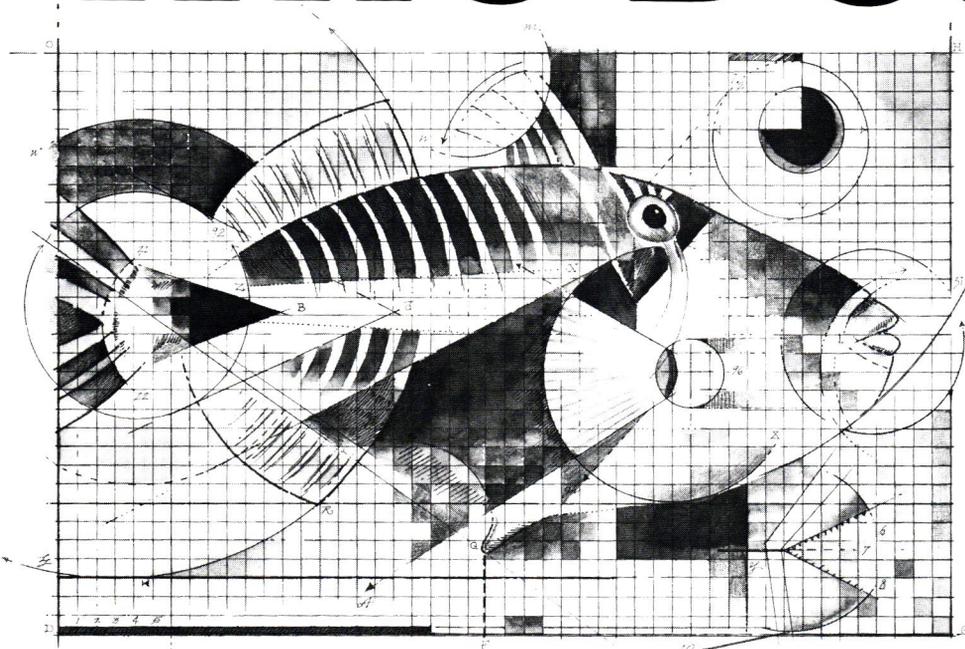


**TILECO, INC.**

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

*Hawaii Manufacturers of Quality Concrete Blocks.*

# ARCHITECTS WHO DO.



THE INCREDIBLE HUMUHUMUNUKUNUKUAPUA'A  
*A design solution unto itself.*

Architects who do their homework know that the best designs are not design solutions at all unless the materials specified are up to the job. That means resisting salt air, salt water, intense ultra-violet rays, pounding rains, dirt, grit and grime. Plus surviving a few man-made tests of time, too. Such as heavy traffic (pedestrian and otherwise). And human error. And what about the unknown vagaries of the temperamental Humuhumunukunukuapua'a? Indeed. Those architects with the good sense to rely on our architectural representative, Manufacturers Agency Pacific (MAP), have already done their homework. That leaves them time to enjoy what they do best. Catching big fish. After all, once you've designed the best small fish in the world . . .



**BONDED MATERIALS COMPANY** *A Standard of Excellence.*

91-400 Komohana Street, Ewa Beach, Hawaii 96707  
(808) 682-4571

**Manufacturers Agency Pacific** *Architectural Representative*

1053 Kooehoo Place, Kailua, Hawaii 96734  
(808) 262-2434 or 262-4273



# The Stories of an Island Culture

by Michael James Leineweber, AIA

**D**estination resort design is enjoying a renaissance in the South Pacific. Located in relatively small island nations, served by international airline routes, and possessing the added locational criteria of attractive natural environments, adequate road access and people who generously welcome visitors, these destination resorts work economically because they appeal to the high-end traveler who is willing to pay a premium to enjoy relaxed tropical luxury and "get away from it all."

Media Five Limited has provided its multidisciplinary design services for a number of these new destination resorts, ranging from the Hotel Hana-Maui in Hawaii, to the Regent of Fiji and Sheraton Fiji in Nadi, Fiji; the Hotel LeLagon at Port Vila, Vanuatu; and the Palau Pacific Resort on Arakabesan Island in the Republic of Belau. Each has required a design solution that is particularly responsive to its own unique island environment, history and culture.

Open for the past several years and now a proven success, the

Palau Pacific Resort illustrates an integrated multidisciplinary design approach to tropical destination resort design. Located on Arakabesan Island, which is connected via a causeway to Koror Island, capital of the Republic of Belau, the site is one of the few in the islands that is accessible by car from the airport. In addition, there was the opportunity to restore a beach. This was accomplished after extensive civil engineering and oceanography studies determined that, by building a jetty, the previously washed away beach could be recreated.

The challenge was to design an international class resort hotel in a remote tropical location. The site location required the design of an entire infrastructure to support a hotel of 200-250 rooms on its 52 acres.

A water system was developed by a combination of three methods: two deep wells, the damming of an existing stream and the use of rooftops as catch basins. Each water source is treated individually before going into a 500,000 gallon

reservoir tank constructed for a fresh water supply.

Similarly, a sewer treatment plant had to be built to take care of the waste water, and electricity had to be generated for all electrical power. These constraints helped us, on the other hand, to be energy efficient. Heat from the oil-fired electrical generators was reused to heat the domestic hot water as well as the guest room air conditioning system. This proved to be the most economical and least expensive system in terms of initial as well as operational costs.

The site plan was based on the concept of the Palauan village, where the *abai* form sets the visual pace as the most prominent feature. The *abai* is the traditional Palauan meeting house for men, and is located in the village square. In the resort, the lobby structure is therefore centered on the property, with the individual guest rooms spreading out.

Incorporating the design principles of the *abai*, the central



*The vivid greens of Palau's lush vegetation at day give way to the brilliant blues of a tropical evening, reflected on the waters of the pool at the Palau Pacific Resort. Photo by Dana Edmunds*

facility has its steep roof slopes, a very lofty, open feeling and a breezy lobby environment. This basic form also was adopted for the upper level guest room design.

The carved Palauan storyboards were incorporated extensively throughout the lobby areas, in the guest rooms and as a design theme for the specialty dining room, where wood carving was used on columns and fascias. Extensive research was done, together with the director of the Palauan Museum, to produce storyboard designs that were authentic and to select Palauan artists who could execute the designs most appropriately.

Besides these strong cultural influences in design, the natural elements had to be taken into consideration. Rain, humidity and heat are much greater in Palau than in Hawaii, and while the guest units are all air conditioned, a great effort was made to orient the public facilities to allow for maximum cross ventilation. For

the most part, tile rather than carpet was used to reduce moisture-gathering materials.

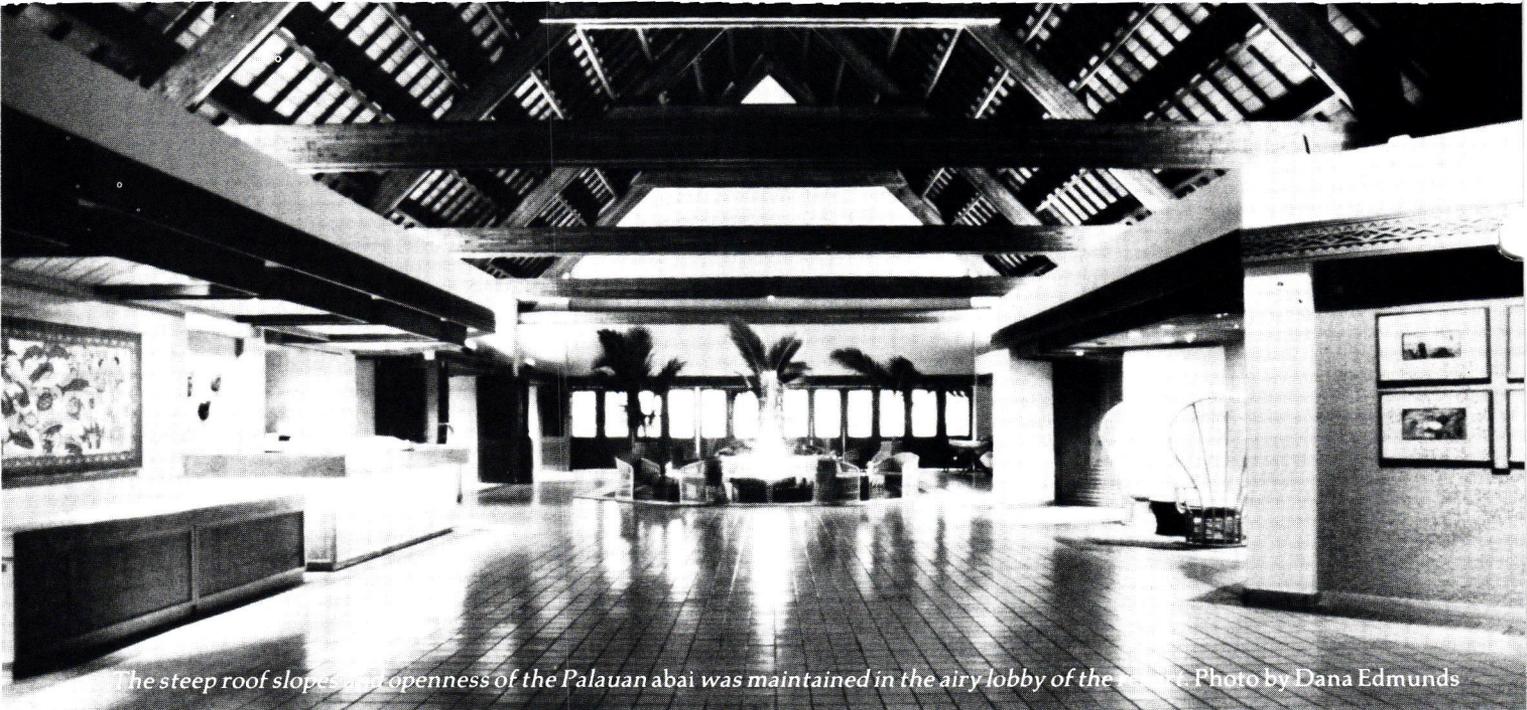
From the standpoint of detail and structure, the entire development had to be designed as simply as possible, as any elaborate design could not be appropriately executed with the manpower available in Palau. Equipment and materials were also selected with great sensitivity to cost, maintenance and life span. The general contractor, Pan Pacific Construction, used as much local manpower as was possible, with as many as 600 indigenous people working at the site during construction.

Media Five was contracted to provide multidisciplinary services from planning through architectural design, interior design, landscape master planning and graphics and signage design. This allowed us to create and implement a strong, unified design theme throughout the resort, and to incorporate and

coordinate all of these various aspects at the same time.

As with the planning and architecture, the interior design, artwork and graphic design strongly reflected the Palauan culture. Local arts and handicrafts were used as much as possible with the encouragement of the client, Pacific Islands Development Corporation. While it would seem to be quite easy to find local people to do baskets, storyboards, art and various artifacts, unfortunately we found through our research that most of the indigenous art had died out, and we had to again, with the help of the museum director, make a great effort to go into some remote outlying areas to find people who could still perform the tasks needed to provide the artwork and handicrafts for the hotel.

In the furniture design, local motifs were used as the basis for such items as carved panels, cocktail tables and stained glass. Throughout the main facility, the



The steep roof slopes and openness of the Palauan abai was maintained in the airy lobby of the resort. Photo by Dana Edmunds

public spaces were selected to represent various specific storyboard concepts. The *Meduu Ribdal* specialty dining room, for example, represents the breadfruit and its associated stories in the storyboards, stained glass artwork and menu designs.

Research also gave us the

background and motifs for other components of a comprehensive graphics design package that included a logo design, all signage, the design of hotel staff uniforms, brochures, posters, advertisements, invitations, napkins, swizzle sticks and related hotel amenities.

Landscaping presented another design opportunity for uniqueness. The client wanted to have the resort planted only with indigenous flora, and again, a great deal of research was conducted for available plant materials.

Another unusual aspect of the site was its use during World War II as a Japanese seaplane station. A number of historical sites were preserved and incorporated into the project, after identifying and surveying old reports and photographs and locating the various sites and structures through site survey. Access to these historical sites was cut out of the dense forest and made into natural trails, with planting and displays along the way to identify the various flora and fauna species found in Palau.

As the Palau Pacific Resort illustrates, design teamwork and consideration of infrastructure environment, climate, culture, history, work force, materials and maintenance are all important. The establishment of a strong, integrated design solution was critical in achieving a destination resort that will remain appropriate to a unique setting in the Pacific Islands. HA

*Michael Leineweber is a principal of Media Five Limited, and travels extensively to serve clients in Hawaii and throughout the Pacific Basin.*

## Which builder would you buy from?



the standard closet



the storage system

**You'll find CLOSET MAID Storage Systems in the model homes of these quality builders.**

**BLACKFIELD HAWAII Corp. at Kaneohe Woods**  
**GENTRY VENTURES at Waialae Iki V**  
**ALBERT KOBAYASHI, Inc. at Laulima**  
**KUULEI BUILDERS at Royal Summit**  
**URBAN BUILDERS at Manoa Shangri La**

**CLOSETMAID®**

Lic. No. BC-12627

**2029 Kalani St. • Hono., Hi. 96819 • (808) 841-5653**



**SPACE  
SYSTEMS  
SUPPLY**

# BUY VS. LEASE? LET THE BUYER BEWARE.



Beware the hidden costs when investing in new capital equipment.

Buying ties up your cash and your hands. Subjects your company to inflation and risk. And leaves you open to paying too much for your new equipment.

Commercial Leasing avoids the penalties of buying.

Leasing conserves capital and improves your cash flow. In a lease, you need little or no down payment. A lease provides 100% financing, which can include delivery, installation, taxes and progress payments. You keep your cash for working capital, investments, expansion or other vital uses. Nor, must you raise new capital

to obtain needed equipment.

Leasing is a hedge against inflation and risk. You pay for today's equipment with tomorrow's cheaper dollars. Also leasing protects you from the risk of obsolescence. You're never stuck with inefficient, outdated equipment. Or paying for it!

Leasing brings down the cost of equipment. Bancorp Leasing

rental payments are often significantly less than standard loan payments. And, now, with 1986 tax reform eliminating the investment tax credit, changing depreciation rules, and the new Alternative Minimum Tax, leasing may lower the tax bite. Further, you may be able to expense the entire amount of your payments for tax purposes, reducing your tax liability more.



in Hawaii. Allied with Hawaii's largest bank, Bank of Hawaii. (So if a Bank of Hawaii loan is better or cheaper, we'll tell you that, too.) You have nothing to lose and everything to gain. Call 537-8812. No obligation. Avoid the pitfalls of investing in capital equipment. You can with Bancorp Leasing.

**h Bancorp Leasing of Hawaii**

A subsidiary of Bancorp Hawaii



*The Hyatt Regency Cheju offers a commanding view of Cheju island in addition to vistas of the hotel's gardens. Photo by David Franzen*

## A Flagship for a New Resort

by Mazeppa Costa

Imagine this: On Niihau, the first master planned visitor destination resort complex opens with a world class 224-room Hyatt Regency Hotel which includes a casino where doors are open only to international guests—no U.S. citizens may gamble. And for the international guest, the whole resort is a duty free zone. Further, the island is

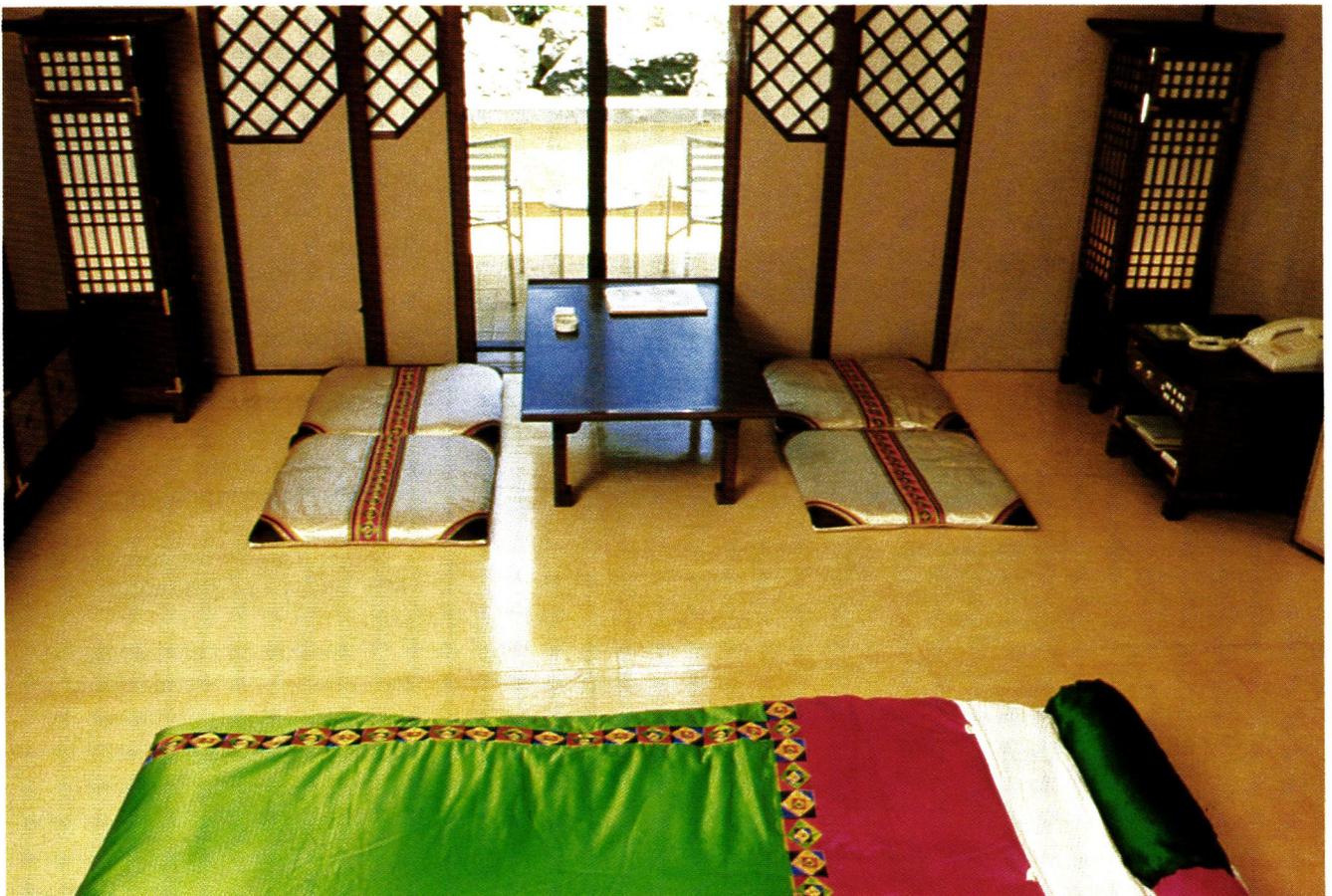
known as a honeymoon haven, and the resort is expected to attract large numbers of American honeymooning couples.

Don't panic. U.S. laws haven't changed and the Robinsons haven't opened Niihau to hotel development. We wanted you to do a little imaging.

Roughly, the imaginary scene above describes the kind of

program Honolulu-based Wimberly Whisenand Allison Tong & Goo Architects faced when they accepted an offer to design the first hotel—a Hyatt Regency—in the Choongmoon Beach Resort complex on Cheju Island off the southernmost peninsula of South Korea.

Intrigued by this image of a hotel in which some guests have



Hotel rooms are either Western or Korean-style, with floors that are heated by coils underneath the surface flooring.  
Photo by David Franzen

access to all hotel amenities and others don't, we asked its architects to tell us more. Do the hotel's built-in inequities make its guests feel as if they are caught up in a time warp on an old time luxury liner with steerage and first class accommodations? Not at all, we were told.

"To us, it was a highly unusual set of circumstances," said Gregory M. B. Tong, WWAT&G chairman and principal in charge, "but the strangeness of the casino

situation was largely a curiosity to us. A reflection of the South Korean government's seriousness about attracting the international traveler and being firm about their intents—including gambling laws. Gambling is illegal for South Korean citizens. And that's that.

"First and foremost, we were concerned, as we always are, with the responsibilities of designing a hotel that is eminently right for its site, pleasing to its guests, and

practical for management and staff," Tong continued.

"Of equal concern was the broader picture—responsibilities inherent in design of a first project in a given resort. Designing the initial hotel in a master planned destination resort area is a markedly significant trust, in view of the influence of a first hotel in setting the pace of the resort and influencing value of surrounding property for years to come."

While WWAT&G has been entrusted with the design of the initial project of many resort areas throughout the Pacific, the Hyatt Cheju assignment loomed as an especially interesting challenge.

Not only was it to be the first hotel of the Choongmoon Beach Resort that would ultimately bring to the exotic island of Cheju nine individual hotel complexes, it would be the first international standard hotel on the entire island, and the first opportunity for WWAT&G to work in Korea. That was a whole new ball game.

"True, Cheju Island is often called 'The Hawaii of Korea,'" said Sidney C. L. Char, project architect.

"And Cheju—like Hawaii—is volcanic in origin. Also, they grow a lot of pineapple there. But that may be the end of the similarities between Hawaii and Cheju," mused Char, as he remembered many trips back and forth between Honolulu and Cheju.

When pressed for some of the differences and difficulties, he said:

"Certainly one of the biggest differences was the matter of protocol. We may think we are businesslike and structured in our procedures, but our business etiquette is nonexistent compared to that in Korea. Learning about—and having to handle—the layer upon layer of protocol was an education in itself."

Language difficulties?



## BUILDING FOR THE BEST

Sinclair Paint Company is building to serve you better. We've been setting the industry's standards since 1928 and now we've improved those standards once again. We've built a new 27 acre corporate office and manufacturing facility in Los Angeles and two new stores in Honolulu to give you the most responsive service and technical support in the industry.

Now everything—management, manufacturing, quality control and service to help you solve all your interior and exterior decorator needs. So whether you need professional assistance with paint selection, property inspection, bid preparation, commercial or residential wallcovering, you can get it in one place. The place that sets the standards for quality.



**SINCLAIR**  
*The Professional's Choice*

865 Ahua St., Honolulu, HI 96819, (808) 839-7441  
2700 S. King St., Honolulu, HI 96826, (808) 949-6414

"You might think the language barrier would be the most troublesome thing, but it really wasn't. There were translators. The interesting thing is that we used sketching a great deal—far more than usual—to make sure we understood and were, in turn, understood.

"Yet there were communication difficulties," Char confided.

"They involved government requirements, local codes. For this we relied greatly on our associate architect in Korea. But it was not enough that he understood them; it was necessary for us to understand the specifics, too.

"The most difficult aspect of the project, however, was the matter of logistics, timing, getting the various people from several parts of the world together in the same place at the same time—and the appropriate time at that.

"During the design process, the Korean architects worked with us in our Honolulu office for two weeks. They went home and later returned with the working drawings. Then we reviewed these drawings, focusing mostly on the visuals because all their notes were in Korean. As the process continued, we reviewed their work by making numerous trips back and forth to South Korea—about every six weeks.

"There was also close interaction with the interior design firm because the building was of an unusual configuration."

What about the building, the program, what the developer wanted and WWAT&G's design solution?

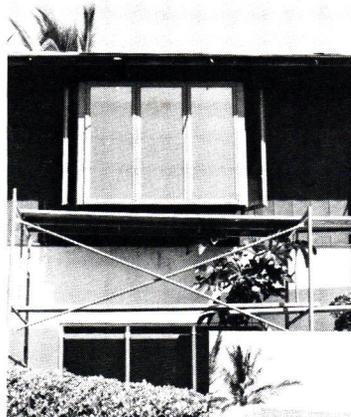
Char responded, "Hyatt Regency Cheju was to be the flagship for the whole resort complex and the first major hotel on the entire island.

"For this, the clients wanted something different. They also specified a casino and Korean-style as well as Western-style rooms.

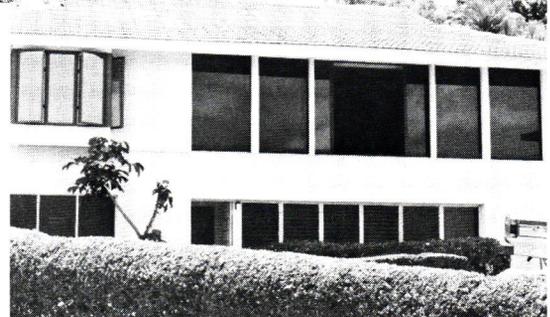
*(continued on page 36)*

# RETROFIT WITH DRYVIT® EXSULATION SYSTEM!

- **FOR COST-COMPETITIVE JOBS:**  
RESIDENTIAL, COMMERCIAL,  
INDUSTRIAL  
Obtain a luxurious look on a limited construction budget.
- **FAST, ON SITE APPLICATION**  
Owens-Corning Glas-Lath® Insulation Board is applied directly over wood or steel framing, metal panels or masonry exteriors in a "one-step" process.
- **CUSTOM SHAPES**  
The system lends itself to custom shapes allowing the designer to create aesthetically pleasing custom shapes.



before



after

**dryvit®** 

Recent Exsulation  
Project: Kahala Residence



**BREWER CHEMICAL**  
a C. BREWER company

HAWAII MAUI KAUAI GUAM

**BREWER CHEMICAL**  
a C. BREWER company

311 Pacific Street  
Honolulu, HI 96817

**PHONE 533-4411**  
**FAX: 808 531-9078**

# From Vision to Reality

by Jan Kagehiro

**I**t takes exceptional design talent to transform developer Christopher B. Hemmeter's visions into reality, and for Lawton & Umemura, Architects, AIA, Inc., that challenge is all-

consuming and energizing.

Hemmeter first began working with Herbert T. Lawton and Robert Umemura when the developer built the Hyatt Regency Waikiki. The

relationship proved so successful that Hemmeter again selected the firm to design his first world-class resort, the Hyatt Regency Maui. In 1986, Hemmeter bought  
*(continued)*



Five columned jacuzzis border The Westin Kauai's 26,000-square-foot swimming pool complex. Photo by Douglas Peebles

A sweeping arcade borders one of The Westin Maui's aquatic features — a pool filled with water fowl and koi. Photo by Douglas Peebles



**All chairs are  
not created  
equal!**

**THE EQUA CHAIR**  
herman miller

A simplicity of line and logical construction with a thorough understanding of the complexities of the seated human form.

On display today in our showroom.

**sen** OFFICE  
FURNITURE, INC.

904 Kohou Street on the Kapalama Canal  
Monday thru Friday 8am to 5pm  
Phone 848-0251

These developments are so noteworthy in scale and architectural features, they have been dubbed "super resorts."

(continued from page 20)

the firm, which now is the largest in the state with more than 120 employees.

Through its relationship with Hemmeter, Lawton & Umemura has had the opportunity to provide design support for three of the world's most innovative resorts, The Westin Maui, The Westin Kauai at Kauai Lagoons and the Hyatt Regency Waikoloa. These developments are so noteworthy in scale and architectural features, they have been dubbed "super resorts."

The Westin Maui involved a complete redesign and rebuilding of the Maui Surf. The result is a bigger-than-life resort featuring huge Romanesque columns, sweeping staircases, swan and koi

pools, and a 25,000-square-foot swimming complex of five pools fed by four waterfalls and connected by a network of super-slides and bridges.

The Westin Kauai at Kauai Lagoons, which transformed the former Kauai Surf into a grand-scale resort, conjures scenes from ancient Rome and Greece. Built around the Palace court — a 2.1-acre reflecting pool — the hotel features include vast columned arcades filled with art, a European health spa complex, a 26,000-square-foot swimming pool complex with five Jacuzzis, one mile of lagoons and an inland waterway for canoes and Italian-made taxi boats. Lawton & Umemura left no corner untouched at this resort — at

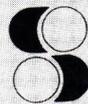
every turn there's a surprise.

Visual impact at the Hyatt Regency Waikoloa on the Big Island (scheduled to open Sept. 15) begins at the 70-foot wide entryway grand stairway descending to the lagoon, around which the resort's three low-rise towers are built. An oasis in the midst of lava rock, the resort's waterways, extensive tropical gardens, and open, airy architectural design provide arresting views in all directions. A 3/4-mile-long museum walkway with five art galleries will display Pacific and Oriental art pieces. The hallmark Hemmeter swimming pool complex is 22,180 square feet and includes waterfalls, slides and a grotto bar. HA

**AUTOCAD**<sup>®</sup>

## NOW AVAILABLE IN RELEASE 9

AUTOCAD AEC<sup>®</sup> AUTOSHADE<sup>™</sup>



**SYSTEMSOURCE**

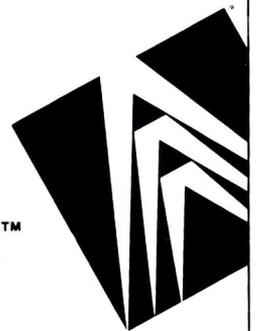
Hawaii's AutoCAD Dealer

Plotters • Digitizers • Training • Total Support

(808) 531-7540 or (808) 537-9265  
745 Fort Street, Suite #300A  
Honolulu, Hawaii 96813

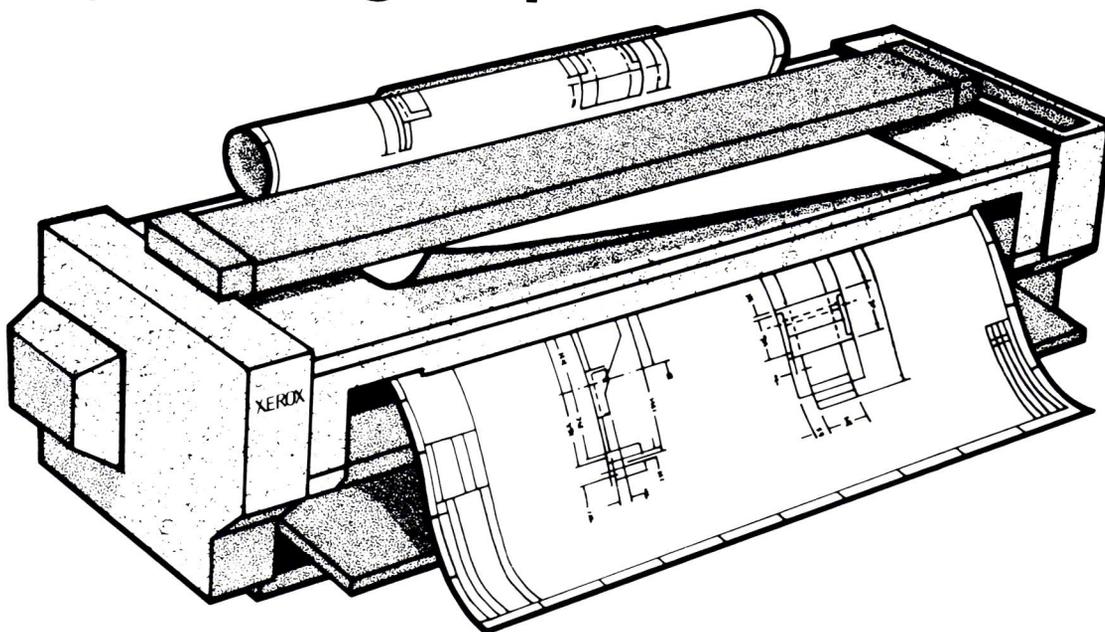
AutoCAD. The world's most widely used computer-aided design and drafting software.

AutoCAD is a registered trademark of Autodesk, Inc.



# We Have It!

## The New Xerox 2510 Engineering Copier



**Engineering reprographics with copier convenience and quality . . . at an affordable price!**

- Makes sharp, black-on-white prints from bluelines, paste-ups, even rigid originals up to  $\frac{1}{8}$  inch thick.
- Copies drawings and prints full size up to 36 inches wide by any manageable length.
- Copies onto bond paper, vellum and polyester film.
- Affordably priced at just **\$4,495.00**.

**See it at:**

***ema***  
**OFFICE MACHINES**

**EARLE M. ALEXANDER, LTD.**

Since 1954

**488-7781**

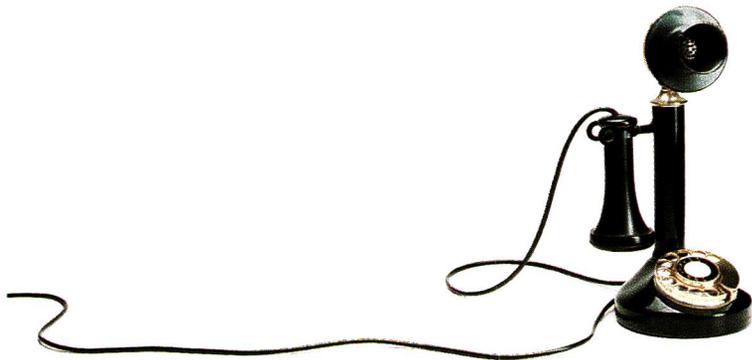
XEROX®

**Authorized  
Xerox  
Dealer**

XEROX® and all identifying numbers herein are trademarks of XEROX CORPORATION.



*At Honolulu Federal Savings and Loan Association in Kahala, fluorescent covers for vertical and task lighting were used with incandescent accent lighting. Photo by Augie Salbosa*



## **Once upon a time, this was considered a luxury.**

---

If you're a busy executive, cellular phone service from Hawaiian Tel is no longer a luxury. It's a necessity.

Cellular is the most important business communications breakthrough since the advent of the telephone itself. It lets you make and receive calls from almost anywhere. So while others are on the road, you can be on the phone.

Besides the obvious business advantages, cellular service from Hawaiian Tel is backed by 104 years of local knowledge, and the nationwide cellular expertise of GTE Mobilnet.

# An Art and a Science

by Richard M. Moss

**B**ecause of my personal interest in architecture, and after I became involved in the Illuminating Engineering Society (IES) and learned some of the technical requirements of quality lighting, lighting design became a visible part of my business.

While working with some of

my clients, I discovered that while they were very interested in creative lighting, they were not educated in some of the technical aspects of light. We discovered that my creativity, from a technical background, worked extremely well with the architects' creativity and artistic background. Working together,

our efforts could result in new and unique solutions for our projects.

Lighting design is, as the IES commonly states, "an art and a science." Translation — creativity is nothing without technical background and vice versa.

Observation is an excellent way to learn lighting design. Notice



## So was this.

So if effective communication is important to your company, dial 732-9500 and ask about cellular phone service from Hawaiian Tel. It's everything your business could call for.

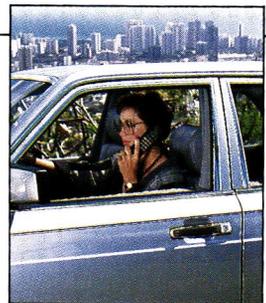
**HAWAIIAN TEL**   
*Beyond the call*



An authorized agent of

**Mobilnet**<sup>®</sup>

Cellular Communications



1ST IN A SERIES

# CAD Production

**SPEC**  
SYSTEMS

For Your Competitive Edge. The #1 source for AutoCAD® & graphics. Why? Because we are the only graphics dealer that provides single-source support for your complete system.

We don't just install your system. We build an on-going relationship that continues long after the initial investment. For single items, or complete systems, we offer comprehensive technical support, with hardware and software experts right on staff. To keep your firm productive.

Ask about our exclusive services for Hawaii's outer islands. Please give us a call today.



*"AutoCAD® has done the job for us. And SPEC Systems has provided good support and follow-through on every occasion, with very, very good service from the beginning. You can't address AutoCAD® without addressing SPEC Systems. We could have chosen any software - we chose the company to stand behind it."*

Mr. Don Lee, *Principal*

Wimberly, Whisenand, Allison, Tong &  
Goo Architects, Ltd.

  
**AUTOCAD®**

**SPEC**  
SYSTEMS CORPORATION  
*Authorized Autodesk, Inc. National Accounts  
Dealer and Educational Representative.*

1088 Bishop Street  
Executive Center, Suite 1204  
Honolulu, Hawaii  
(808) 531-2511

*AutoCAD® is registered in the U.S. Patent and Trademark Office by Autodesk Inc.*

what is attractive in lighting, not necessarily the lights themselves, but the effect of the lighting on the architectural space. After all, the purpose of lighting is to accent the architectural space and not the other way around.

Is it visually attractive and enhance the feeling of the space; does it help attract business to the project; is it comfortable to be in the room; is it appropriate; is it functional?

All lighting design should be done with those who have design control of the architectural space. Successful lighting design is just as dependent on good architecture as it is the appropriate type and quantity of lighting fixtures. All of my most successful projects were designed "over the table" with the architect. The end result was much better than either of us could have done individually and sometimes significant changes resulted in the architecture after the discussion of ultimate goals.

Start thinking of the lighting design and talk to the engineer/lighting designer during design development — don't wait until construction documents are hard-lined and expect to get the best lighting design.

## Helpful Hints

### Jewelry Stores:

- Low voltage, quartz halogen lamps are the only way to go now. They cost more but nothing is better for value. Even the jewelry store owners know about them now and you should have no difficulty convincing them.
- The beam pattern is in the specific lamp chosen. Low voltage lamps have inherently better beam control than standard lamps which means you must plan the aiming of the beam carefully — there is not a lot of spill light.
- If you properly illuminate the merchandise, you probably don't need to light the corridor, except steps or special transitions.
- Case lights can work great. But be careful — fluorescent case

## Successful lighting design is just as dependent on good architecture as it is the appropriate type and quantity of lighting fixtures.

lights don't make jewelry sparkle but incandescent lamps are hot.

- Make sure you provide vertical illumination within the store — sometimes the cases can be well lit, but from the outside the store walls and ceiling appear so dark you can't tell the store is open.

- Watch out for mirrors — they have been known to create some unexpected and objectionable reflections.

### Restaurants:

- Dimmers, dimmers, dimmers. This type of space challenges the designer and takes coordinated careful thought to really make something different for a very

competitive market.

- Don't forget vertical illumination.

### Offices:

- The standard 2' x 4' prismatic lens luminaire is common.

- With the increase in the use of computers, parabolic louvres are becoming more popular. These are great as they cut off the light above the 45/60 degree angle and provide low ceiling brightness so as to minimize reflectance from computer screens.

- Be aware that parabolic louvres change the overall appearance of brightness (not necessarily the footcandle level)

in the office and sometimes "accent" lighting will be necessary to make the office appear bright and/or interesting.

- Don't forget vertical illumination — where appropriate only, as a bright wall also will create glare on a computer screen.

- "Indirect task/ambient lighting" is overrated (a humble opinion).

- Remember that reception areas are functional, too.

Lighting design is a great challenge, potentially lots of fun and can either accent or detract from the architecture you worked so hard to create. Have fun. HA

## Ceramic Tile Island Style

Throughout the islands, style and practicality start with the flooring treatment. The indoor-outdoor relationship we enjoy calls for the functional as well as the beautiful.

Most suitable of all is the use of tile—the lifetime floor material so easy to keep clean and new-looking.

This cool, covered lanai boasts our 8"x8" ceramic floor tile. We have many selections in a variety of sizes and colors. Won't you come in and see them?



**TILE MART**

CENTRAL PACIFIC SUPPLY CORPORATION

**HAWAII'S LARGEST CERAMIC TILE DISTRIBUTOR** Telephone: (808) 839-1952, Fax: (808) 834-0963, Telex: 723-8378  
855 Ahua St. (2 blocks makai Gibson's) Hours: M-F, 8:30-5:00/Sat, 9:00-3:00/Warehouse Service: M-F, 7-4/Sat, 9-3

### STOCKING DEALERS—HAWAII OUTER ISLANDS

Ceramic Tile Plus  
74-5583 Pawai Street  
Kailua-Kona, HI 96745

Ceramic Tile Plus  
P.O. Box 4091  
Kahului, Maui, HI 96732

Hilo Pacific Roofing Co.  
447 Kalanianole Avenue  
Hilo, HI 96720

Kauai Floors, Inc.  
2956 Aukele Street, #101  
Lihue, Kauai, HI 96766

### GUAM

Bunny Hardware  
Maite, Guam  
GMF, Guam 96921

# An Illuminating Medium

by Rick Chong

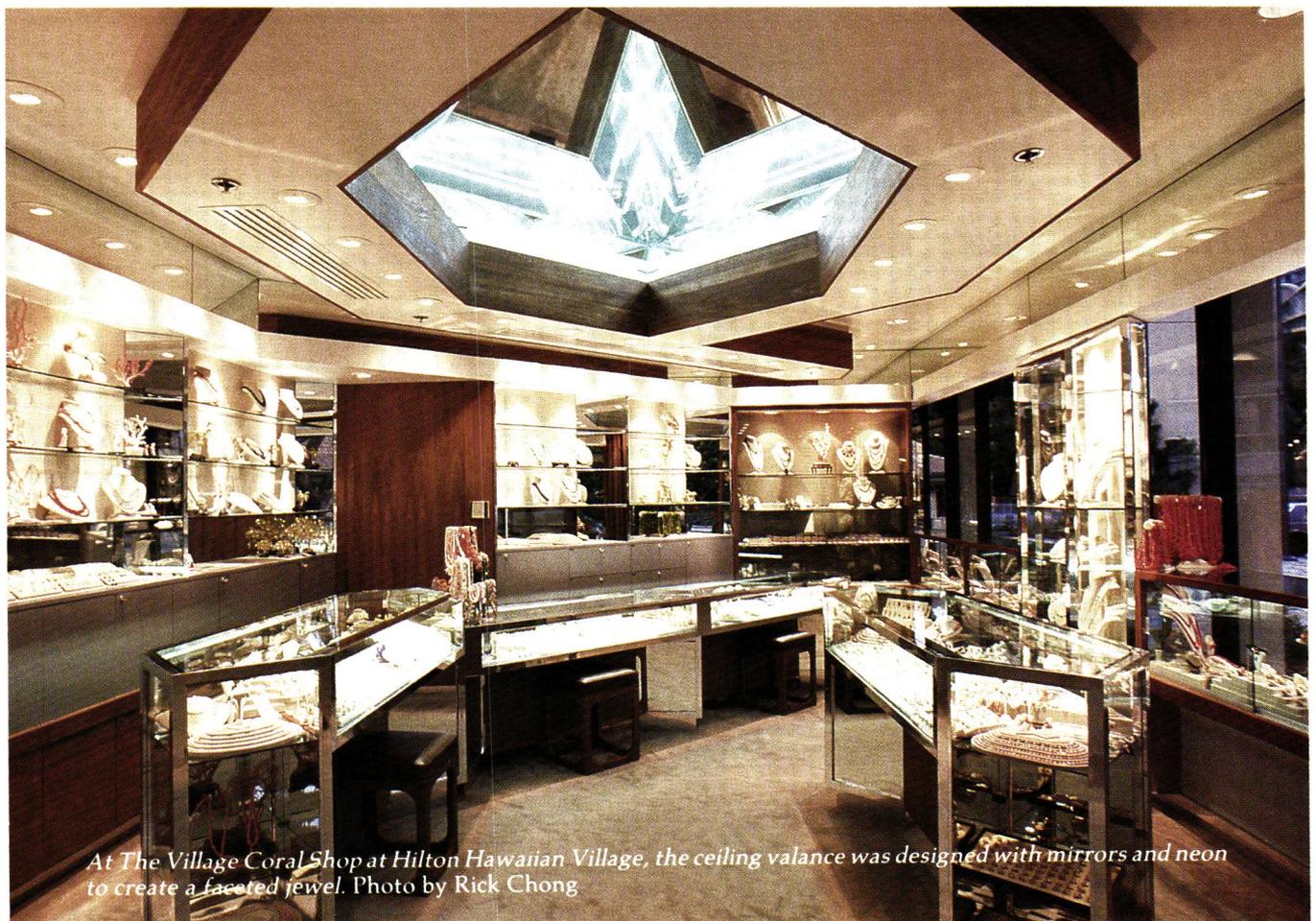
The painter uses his paints; the potter uses his clay; the photographer uses his film and camera; the sculptor uses a variety of metals and woods and the architect uses his pencils and pens. All artists have a medium which they use to

create and convey the ideas, feelings and designs they have envisioned.

Like other creative people, the lighting designer uses lighting as his medium to evoke a response, to create a mood or to enhance a space. The lighting designer

designs or places the luminaire, or does both. Luminaire design, architectural design and art that uses light are areas where the designer utilizes lighting as a medium to express his ideas.

Aesthetically, it is essential that  
*(continued)*



*At The Village Coral Shop at Hilton Hawaiian Village, the ceiling valance was designed with mirrors and neon to create a faceted jewel. Photo by Rick Chong*

# The School of Architecture University of Hawaii at Manoa

wishes to express publicly its appreciation to the following firms and individuals who generously supported the 1987-88 Architecture Development Fund Drive:

## DEAN'S JURY

Duty Free Shoppers, Ltd.  
Group 70

## SPONSORS

American Electric Company, Ltd.  
Architects Hawaii, Ltd.  
The CJS Group Architects, Ltd.  
Chapman Desai Sakata, Inc.  
Hawaiian Dredging & Construction Company  
Kajioka, Okada & Partners, Inc.  
Albert C. Kobayashi, Inc.  
Lawton & Umemura Architects, AIA, Inc.  
Media Five Limited  
Pacific Construction Company, Ltd.  
Charles Pankow Builders, Ltd.  
Wimberly Whisenand Allison Tong  
& Goo Architects, Ltd.

## PATRONS

Anbe, Aruga & Ishizu Architects, Inc.  
Au's Plumbing & Metal Work, Inc.  
BIA/NAHB Scholarship Foundation, Inc.  
Barry Baker, AIA  
Elmer Botsai, FAIA  
Kenneth F. Brown, FAIA  
Construction Specification Institute/  
Honolulu Chapter  
Dames & Moore  
Thomas Fujikawa Painting Company, Inc.  
Gima Yoshimura & Associates, Inc.  
Grace Pacific Corporation  
Hawaiian Crane & Rigging, Ltd.  
Ernest H. Hara & Associates, Inc.  
John Hara Associates, Inc.  
Honolulu Blueprint & Company  
Honolulu Roofing Company, Ltd.  
Hygrade Electric Company  
Johnson Tsushima Luersen Lowrey, Inc.  
Michael K. Kawaharada  
Norman Lacayo, AIA, Inc.  
Maui Land & Pineapple Company, Inc.  
Nordic Construction, Ltd.  
RCM Construction Corporation  
Riecke Sunnland Kono Architects, Ltd.  
Rons Construction Corporation  
S & M Sakamoto, Inc.  
Donald M. Shaw, AIA  
Stringer, Tusher & Associates, Ltd.  
W.E. Painting, Inc.  
Raymond Ziegler, AIA

## BENEFACTORS

Allied Builders System  
Allied Construction, Inc.  
Aloha State Sales Company, Inc.  
The American Coating Company

American Structural Engineers, Ltd.  
Ameron HC&D  
Bennett & Drane Electrical Engineers, Ltd.  
Brewer Chemical Corporation  
Century Computerized Architects  
Albert Chong Associates, Inc.  
Dian Cleve Design, Ltd.  
Cobeen, Tsuchida & Associates, Inc.  
Commercial Sheetmetal Company, Inc.  
Daniel Mann Johnson & Mendenhall of Hawaii  
Design Partners, Inc.  
Fox Hawaii, Inc.  
Franklin Gray & Associates  
Geolabs Hawaii  
Ronald N. S. Ho & Associates, Inc.  
E. Alan Holl, AIA  
Honolulu Wood Treating Company, Ltd.  
Lewis Ingleson, AIA Architects, Ltd.  
Interior Planning & Design Hawaii, Inc.  
JBL Hawaii, Ltd.  
J. Kadowaki, Inc.  
Yuji Kasamoto, Inc.  
Robert M. Kaya Builders, Inc.  
Arthur A. Kohara, Architects, Inc.  
Fred Kohloss & Associates, Inc.  
Martin & Bravo, Inc.  
Matsunaga Mechanical Contractors, Inc.  
Robert Matsushita & Associates  
Maui Soda & Ice Works, Ltd.  
Montgomery Elevator Company  
Benjamin S. Notkin & Associates, Inc.  
Oahu Plumbing & Sheet Metal, Ltd.  
Wallace Omori, AIA  
Otis Elevator Company  
Pacific Terrazzo & Tile Corporation  
Prime Computer/Allan Kickert  
RMA Sales Company, Inc.  
Ram Corporation  
SSFME Engineers, Inc.  
Merritt & Carol Sakata  
Richard Sato & Associates, Inc.  
Spencer Mason Architects  
Stateline Cabinets, Inc.  
TRB/Hawaii, Ltd.  
Thoht Construction, Inc.  
Kenneth Thom Associates, Ltd.  
Thompson Arthur Kimball Associates  
Toft Moss Farrow Associates  
Dennis Toyomura, FAIA  
James K. Tsugawa, AIA  
Urban Works, Inc.  
Walters Kimura & Associates  
Philip K. White Associates  
Wong & Wong Associates, Inc.  
Wong, Sueda & Associates, Inc.  
Richard Yamauchi  
Andrew C. Yanoviak, AIA  
Alfred A. Yee, Division Leo A. Daly

The School of Architecture was established as a professional school of the University of Hawaii at Manoa in 1980. Its mission is to provide Hawaii's future design and construction professionals with a quality education in architectural principles, with emphasis on their application to the unique physical and cultural environment of our island state. The School is also firmly committed to research in the area of tropical architecture and to providing continuing education for professionals in the community.

In conjunction with the fifth annual Great Hawaiian Pumpkin Party, the supporters listed above made substantial contributions to the University of Hawaii Foundation to enhance and enrich the programs of the School of Architecture. These funds will be used to improve and properly equip facilities, upgrade computer facilities, provide for visiting lectureships and sponsor continuing education for practicing professionals.



**BUY TODAY . . .  
RELAX TONIGHT!!!**

**Softub**

**The newest design in portable spas for the '80s!**

Quickly becoming one of the hottest sellers around. Softub comes with choice of colors and optional equipment.

**LOW AS \$66.00 PER MONTH  
NO MONEY DOWN**

DEALER INQUIRIES WELCOMED

**BOAT CITY - HONOLULU**  
303 Kalihi St. 841-0345

(continued from page 28)  
the luminaire selection be cohesive with the theme of the space. A post-modern building would be ruined with luminaires that would fit in better in a seafood restaurant. A Japanese restaurant looks the part with carefully selected luminaires that give the space that Oriental flavor.

Like a sculptor or potter, luminaire designers use woods and metals to create a stylish statement. They use their original ideas to develop luminaires for the next level of lighting designers, who in turn utilize them in their own ideas. Luminaire designers create forms that fit and function in distinct architectural spaces.

When the architect or interior designer get together with the lighting designer, they formulate their spatial ideas and themes into an architectural design. In their design, the experience they wish to create is clearly reviewed and stated. The lighting designer can take those desired experiences and create visual clues that strengthen them.

The lighting designer creates the visual clues by either selecting the proper luminaires or placing them discreetly throughout the space to enhance the architecture. The lighting assists in visually evoking the creative feelings of the design team. In this area the lighting designer uses lighting—luminaires created by luminaire designers or other carefully placed light sources (fluorescent strips, neon tubes, etc.)—as his creative medium. He can create patterns with luminaires or he can highlight architectural lines that result in a visual experience.

When luminaires that strengthen the feeling of the space are not available, the lighting designer is challenged to be more creative. He works with the design team in coming up with the correct solution. Occasionally, this means creating



**Gyp-Crete 2000™ Floor Underlayment**

**The Overwhelming Choice  
For Commercial Buildings.**

Some commercial jobs need Gyp-Crete 2000 floor underlayment to top-off a rough, irregular concrete floor. Others need it to improve the fire rating. Still others need Gyp-Crete 2000 for its fast, economical application.

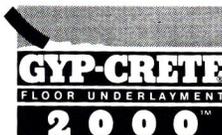
Fact is, there are at least a dozen reasons why Gyp-Crete 2000 should be considered in every commercial job large and small. Here's just a few more:

- Accepts virtually all floor goods
- Improves sound control
- No shrinkage cracks
- Pours over wood or concrete subfloors
- Accepts foot traffic within 90 minutes
- Reaches compressive strengths of up to 2,500 psi
- Leveling capabilities
- Install up to 30,000 square feet per day
- No time-consuming hand troweling
- Pours as thin as 3/8" over concrete
- No dusty grinding



**For more information, contact:**

**Jackson Contractors**  
P.O. Box 30668 Hon., HI 96820  
847-2191 Contractors License # BC-10545



an architectural detail enhanced by lighting or creating a custom luminaire for use in the space.

There will always be the situation where the lighting designer will not be able to find that perfect luminaire for the space. Many times there may be a luminaire close to the style that is desired, or a style that fits, but does not provide the proper illumination. The lighting designer must now not only select luminaires but must also be the luminaire designer. He must create the luminaire that will enhance the architectural space and evoke that desired feeling. (One finds this situation very common in hotel lighting design.)

Like the sculptor, he visualizes the space, formulates his ideas and creates the luminaire for the space. He creates the proper sculptured form and selects the necessary lamps. The finished lighting piece is placed in the space, completing the visual experience.

At the far end of the spectrum, there is the pure artist who uses lighting as his medium in his art work. This is found in modern art and in the revival of neon. Here, the artist uses different luminaires, tubes and lamps in a variety of colors and arrangements. Lighting is his paint. Lighting creates form. It is an essential ingredient. It makes a statement. Lighting illuminates ideas in people's minds.

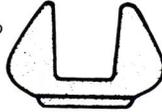
For the lighting designer or the lighting artist, lighting provides the creative medium which is used to express his ideas. Like a painter, he strokes the architectural space with shades of light and shadow. Like a sculptor, he forms the space into a visual experience. Like a symphony conductor, he orchestrates the various sources into a beautiful harmony. Like a photographer, he instills a vivid picture into the minds of those who view it. The lighting designer's medium provides an illuminating experience. **HA**

## OUTDOOR INDOOR CONCRETE FURNITURE

- Planters
- Benches
- Tables
- Ash Urns
- Trash Receptacles
- Custom Signs

WE CAN MAKE  
CUSTOM MOLDS AND  
DESIGNS ALSO

682-4300

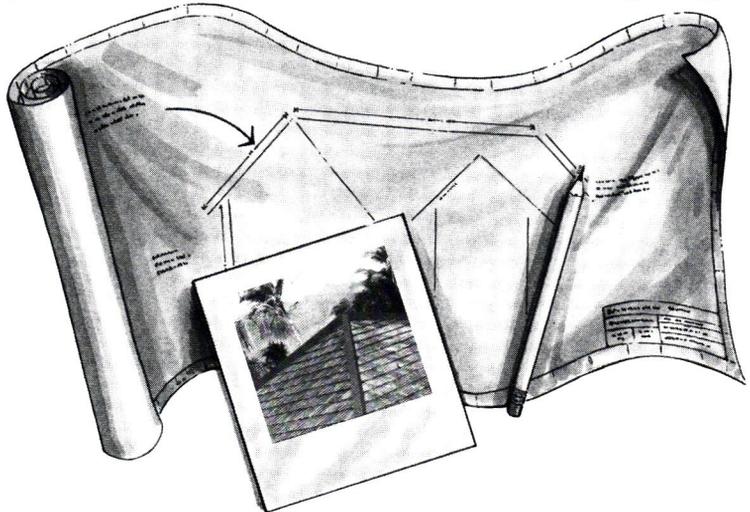


**CONCRETE CREATIONS**  
of Hawaii, inc. ®

95-380 Waia Loop  
Mililani, HI 96789



# A CAL-SHAKE ROOF WON'T COME BACK TO HAUNT YOU.



You can count on roofs made by Cal-Shake. We know you want to keep a project from coming back across your desk, so we produce Cal-Shake to meet your highest quality expectations.

We're not afraid of anything...we stand behind our product and provide you with outstanding service, now that should brighten your spirits.

Fireproof Cal-Shake is lightweight and it won't rot, split or curl, even under the most horrid weather conditions.

Specify Cal-Shake on all of your projects, and may you forever rest in peace.



528-4360

Pioneer Plaza, Suite 1777, 900 Fort Street Mall, Honolulu, HI 96813-9729

# State Capitol Earns Architectural Arts Award



The Hawaii State Capitol building in Honolulu was recently selected winner of the 1987 Hawaiian Architectural Arts Award.

The Hawaii State Capitol has been awarded the 1987 Hawaiian Architectural Arts Award, representatives of the State Foundation on Culture and the Arts (SFCA) recently announced.

Established in 1984, the annual award is presented to an architect and building patron in recognition of an achievement of architectural excellence that reflects Hawaii's natural and cultural assets. Governor John Waihee presented the award during ceremonies in his office.

The design of the Hawaii State Capitol was prepared by the joint venture of Belt, Lemmon and Lo, a Hawaii-based partnership of architects and engineers, and the mainland firm of John Carl Warnecke and Associates, architects and planning consultants. The key principals of the two firms were Robert M. Belt, Cyril W. Lemmon, Donald T. Lo and John Carl Warnecke.

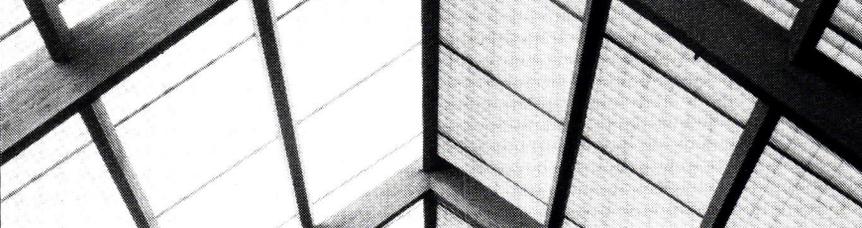
The Hawaii State Capitol, dedicated on March 15, 1969, represents a blend of function, beauty and historic significance. The Capitol is a centerpiece of downtown Honolulu, and complements the majesty of Iolani Palace and Ali'iolani Hale, the two earlier seats of government, and Honolulu Hale, Honolulu's City Hall. The Capitol is built on the historic site known as the Schuman Armory Blocks.

The Capitol has a presence both light and uplifting, and a sense of repose that seems important to Hawaiian architecture, agreed the jury, composed of five panelists representing design and the arts.

WE'RE COVERING HAWAII  
IN A WHOLE NEW LIGHT!



SUPER SKY PRODUCTS, INC.



TRANSLUCENT PANELS.

<p><b>Design Flexibility</b> The Super Sky system is adaptable to many geometric shapes including pyramids, single pitches, vaults, ridges, domes as well as custom designs.</p> <p>To enhance the overall aesthetic look and quality of light, the Cemcel insulating panel is available in a multitude of different grid shapes, sizes and colors.</p>	<p><b>Lightweight, Yet Strong</b> A 2 3/4" thick Cemcel insulating panel weighs only 2 1/2 lbs./sq. ft. yet resists at least 100 lb.-lbs. of impact before breakthrough. That's 66% stronger than other standard fiberglass panels. Also the unique Cemcel bi-axial design provides equal strength to panels in both directions. Unlike other translucent panels, the Cemcel insulating panel lays flat with no surface distortion or waviness.</p>	<p><b>Performance</b> Cemcel translucent panels give you performance options. U-values of 0.24, light transmission as high as 63%, and shading coefficients from .19 to .85.</p> <p><b>Longer Life</b> The 10.00 mil Gelcoat 40 weather surface provides unsurpassed protection from the elements. In fact, Cemcel translucent panels are warranted for 10 years against "fiber bloom" and delamination.</p>
---	---	--



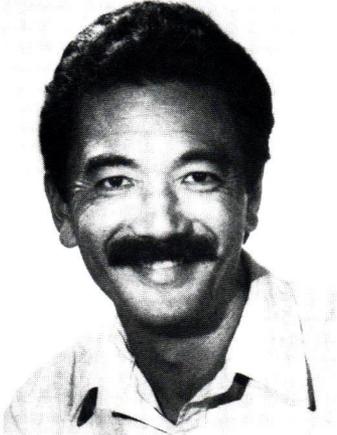
Con. Lic. # BC-11445

247-5500

46-003 Alaloa St.  
Kaneohe, Hi. 96744

# Promotions Announced at Several Island Firms

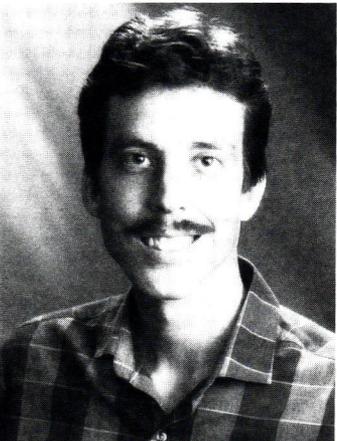
**Duane Kanuha** has joined the land planning/landscape architecture firm of PBR Hawaii as managing director of the new Hilo office.



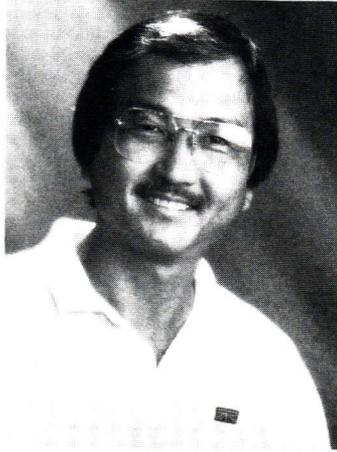
*Duane Kanuha*

As managing director, Kanuha will be responsible for directing and coordinating PBR Hawaii's projects on the Big Island. Kanuha was formerly the Hawaii County deputy planning director and assistant land agent for the State Department of Land and Natural Resources. Prior to joining PBR Hawaii, he was principal of DK Planning.

**Gregory A. Bayless and Alvin Sakutori** have been named associates of Gima, Yoshimori &



*Gregory A. Bayless*



*Alvin Sakutori*

Associates, AIA, Inc.

Bayless is a registered architect. He is treasurer of the Maui Chapter of the American Institute of Architects and member of Planners, Architects and Landscape Architects of Maui (PALM).

Sakutori is construction documents coordinator with the firm. He was previously with Architects Hawaii Ltd. in Honolulu.



*Sonny Pabo*

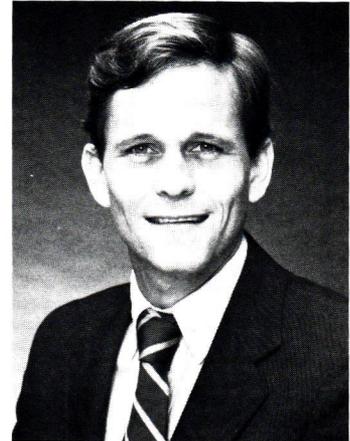
**Sonny Pabo** was recently named an associate at Group 70 architects, planners and interior designers.

Pabo, a native of the

Philippines, joined the firm in 1987. He was previously associated with Johnson Tsushima Luersen Lowrey Inc. A resident of Honolulu since 1966, Pabo was educated in architecture at Manila's Far Eastern University.

**Thomas A. Fee**, AICP, has been promoted to senior associate of Helber Hastert & Kimura, Planners, a division of Wimberly Whisenand Allison Tong & Goo, Architects, Ltd.

Fee joined HH&K in 1985 and



*Thomas A. Fee*

was made an associate the same year. Among the projects he has worked on are the Hawaii Ocean Science and Technology Park Feasibility Study, master plans and environmental reports for Mililani Mauka, Kapolei village and Town Center, the Ewa Visitor/Resident Entertainment Attraction and the Kohanaiki Resort, and regional plans including the Ewa Long Range Master plan and the Central Oahu/North Shore Plan.

Before joining HH&K Fee was a planning consultant and real estate appraiser working with both the private sector and the state and local governments.

# Newcomers Add to Hawaii Society's Strength

Joining the Hawaii Society/AIA as an associate member is **Barbara Allen**, who holds a Bachelor of Science degree in Architectural Engineering from the University of Colorado and a Master of Science degree in Architectural Technology from

Columbia University's School of Architecture.

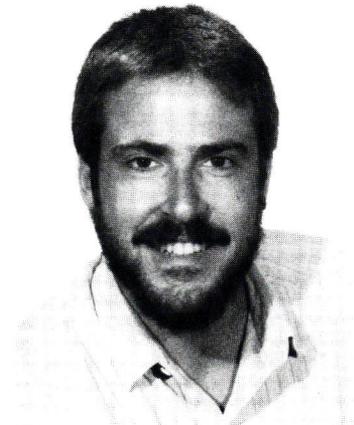
Employed by the University of Hawaii's School of Architecture and owner of Barbara Allen Lighting Design, Allen's hobbies include reading, dancing and outdoor sports.



*Leon H. Kazarian*

**Leon H. Kazarian** was recently welcomed as a new member of the Hawaii Society/AIA.

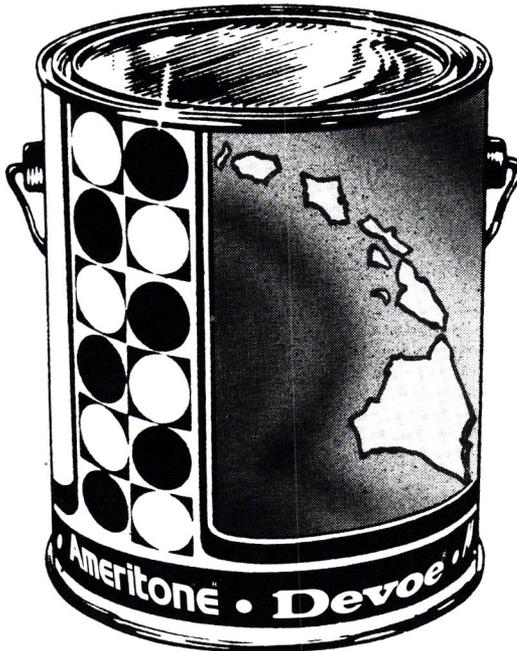
Kazarian received his Bachelor of Arts degree in Architecture from the University of California-Berkeley. Sole proprietor of Leon Kazarian Architect in California, he plans to open a Honolulu office in the future. His hobbies include reading, collecting stamps, skiing and listening to classical music.



*Mark Lively*

**Mark Lively** of Lively Architects was welcomed to the Society as a new member. He holds a Bachelor of Architecture from Texas Tech University. He is married to Rebecca Lively and enjoys travel, languages, and furniture design and construction.

## HAWAII'S PAINT.



**Since 1954**, nobody's helped the painting professional like Ameritone and Devoe can. All over the islands. Our people and products are right where you need them—in Hilo, Honolulu, Kona, Maui and Kauai. We've got the inventory you need — basic paints and exotic special coatings. Thousands of gallons, right here in the islands. Because we know you hate to wait. We've got professional tools and equipment. And we've got a commitment to serving the professional that you have to experience to believe. Since 1954, we've been Hawaii's Paint.

**Ameritone Maui**  
140 Alamaha Street  
Kahului, Hawaii 96732  
(808) 871-7734

**Ameritone Devoe Paints**  
18A Pohaku Street  
Hilo, Hawaii  
(808) 935-2011

**Ameritone Devoe Paints**  
74-5599 Alapa Street  
Kona, Hawaii 96745  
(808) 329-2766

**Ameritone Paint Corporation**  
1353 Dillingham Blvd.  
Honolulu, Hawaii 96817  
(808) 841-3693

**Kapaa Paint Supply**  
4516 Kukui Street  
Kapaa, Kauai, Hawaii 96746  
(808) 822-1788





CRYSTAL

a fine name in cabinetry



## KITCHEN CONCEPTS PLUS, INC.

Consultant • Designs • Installation

MICHAEL L. SMITH, C K D

Certified Kitchen Designer

845 Cooke St.  
Honolulu, HI 96813  
545-5655

Studio Hours: Mon.-Fri. 9-4  
Lic. C-14111



For gas service, call The Gas Company, a PRI Company, at 547-3514.



GAS

Hawaii's Energy Saver

"We recommend energy efficient gas appliances to our customers."



Lev Savin

New member **Lev Savin**, who is employed by the Department of Public Works, American Samoa Government, holds a master's degree in Architecture. He and his wife, Tatiana Kalanzi, have three children, Olga, Rebecca and Wilson. His hobbies include traveling, biking and swimming.

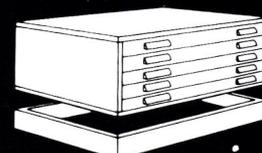
Also joining the HS/AIA was **Mark C. Dowell** of Daniel Mann Johnson & Mendenhall. Dowell earned his Bachelor of Science degree in Architectural Studies from the University of Illinois and master's degrees in Architecture and Business from Washington University-St. Louis.

New associate member **Don Houston** earned his Bachelor and Master of Arts degrees from University of California-Berkeley's College of Environmental Design. Employed by Architects Hawaii, Houston enjoys martial arts and is an instructor of Chen Tai Chi.

**James Donahue** of Riecke Sunnland Kono Architects Ltd., also a new associate member, earned a Bachelor of Arts degree in Political Science from the University of Washington and a bachelor's degree in Architecture from the University of Hawaii. He enjoys hiking, swimming, reading and playing dominoes. Married to Carol Boushey, the couple has a daughter, Erin Marie.



**25% OFF**  
**Dahle MegaFiles**  
(small, medium, large) &  
component hanging files



**Plan Hold Flat Files**  
(Small file w/optional base)  
File 579.00 **Sale 419.00**  
Base 89.00 **Sale 71.50**  
Larger sizes also on sale

**25% OFF**  
**Plan Hold VariFile**  
(10 configurations available)

# SPACE

## The Final Frustration

These are the voyages of the enterprising file systems now on SALE at Hawaiian Graphics, Kapalama. Their mission: To boldly store what wouldn't fit before. Discover a world of space at extraordinary savings through May 15, 1988. And encounter myriads of other great art supplies in the new Hawaiian Graphics Catalog. (Some file systems may be special orders.)

Kapalama:  
1312 Kaunualii St. • 841-7527



University:  
2758 So. King St. • 945-7710



## KOA: A lifetime investment in beauty.

Martin & MacArthur quality enhances contemporary as well as traditionally designed furniture for your home and office. Each is a hand-crafted classic.

Displays in the lobby showroom, Davies Pacific Center downtown, and at the Kalihi Kai warehouse, 1815 Kahai Street.

845-6688 or 524-4434

*Martin & MacArthur*

(continued from page 19)

"Our solution was something different—for Korea—the first central atrium in that country. And it was not easy to convince them that it made sense. Leaving all that space open didn't seem to them cost efficient. We persevered and eventually won our point. We placed the atrium in a structure based on the predominant Korean cultural form—the octagon."

The hotel complex mounts a dramatic promontory offering a full 360-degree vista of the island and is comprised of an eight-story high octagon-shaped atrium-type main building, a separate and much smaller casino building that mirrors the shape of the hotel proper and an arcade joining the two buildings.

The domed structures are a contemporary translation of the island's indigenous architectural form, the stone with thatched-roof folk cottage.

The interior of the hotel focuses on the expansive central atrium and is intended to echo the tranquil tropical atmosphere of the surrounding terrain. An enormous skylight filters sunlight down into the atrium where glass elevators 'float' up and down overlooking space designed to create a feeling of comfortable outdoors even when it's wintry outside—a waterfall, palm trees, lush greenery, a carp pond and traditional "wedding" ducks in honor of the honeymoon couples.

The waterfall separates into two streams leading guests, on the one hand, to a heated indoor swimming pool or, on the other hand, past a Western-style restaurant and the interior garden of a Japanese-style restaurant, before continuing outdoors.

There a larger waterfall splashes into a landscaped free-form outdoor pool and grotto bar. Dining facilities also include a European-style restaurant and a contemporary Korean-style restaurant. Polished pink granite

## KITCHEN DISTRIBUTION CENTER

A DIVISION OF TKC, INC.

**KNOWN  
BY THE  
COMPANIES  
WE KEEP.**

*Thermador*

250 WARD AVE. • HONOLULU, HI. 96814-4093

(808) 531-9827 • FAX # (808) 526-1029

flooring in the lobby extends through the arcade linking the atrium with the casino.

The hotel's 224 guest rooms range from twin size to the presidential suite.

In addition to the predominant Western-style rooms, there are 40 Korean-style rooms featuring *ondol* floors, which are heated by coils underneath the surface flooring. Guests can sleep in comfort on *futon*, enjoying the gentle warmth of radiant heat. The deck of the indoor pool and floors of private dining rooms in the Korean-style restaurant also utilize *ondol* flooring.

"Development of Cheju," explained Char, "is firmly supported by the South Korean government, which was thinking ahead to the 1988 Olympics during the planning of Hyatt Cheju. The Summer Olympics site in Seoul is only an hour's flight from Cheju International Airport—just about like a trip from Honolulu to the Big Island."

Nor have things been at a standstill at the Choongmoon Resort since the opening in 1985 of Hyatt Regency Cheju. The next addition to the master plan is well under way. To be located immediately adjacent to Hyatt, it will be a 450-room Spanish style resort developed and operated by Shilla Hotels.

And once again WWAT&G architects are making frequent trips back and forth to Cheju.

"How do you feel about resuming the Cheju commute?" we asked.

"We're very pleased, of course, and what we learned during the Hyatt Cheju process helps a lot with the new project," answered Char.

"But," he quipped, "I think the most fortunate thing of all is that we like *kim chee* — in Korea you get it with every meal." HA

Mazepa Costa is a Honolulu-based writer and public relations specialist.



Kim Giovonnella  
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

## Announcing the 3rd Annual

# Hawaii RENAISSANCE

The local awards competition, recognizing excellence in design and construction of residential and non-residential remodeling projects.

Contractors, builders, architects, planners, developers, suppliers and other construction principals may enter projects in Hawaii Renaissance '88. Projects completed after January 1, 1987, are eligible for this year's competition.

### CATEGORIES

Award categories include residential, commercial, kitchen and bath remodeling, indoor/outdoor living areas and landscape remodeling.

### JUDGING

Judging will be based only on *BEFORE and AFTER* photos, color slides and floor plans.

### ENTRY DEADLINE

Entry deadline is *June 1, 1988*. Completed entry binders will be due by June 30.

### AWARD WINNERS

Award-winning projects will be featured in the September 1988 issue of HONOLULU Magazine.

The 1986 and 1987 local award winners also received awards in the national competition sponsored by the nationally circulated *REMODELING* magazine and the National Association of Home Builders' Remodelers council.

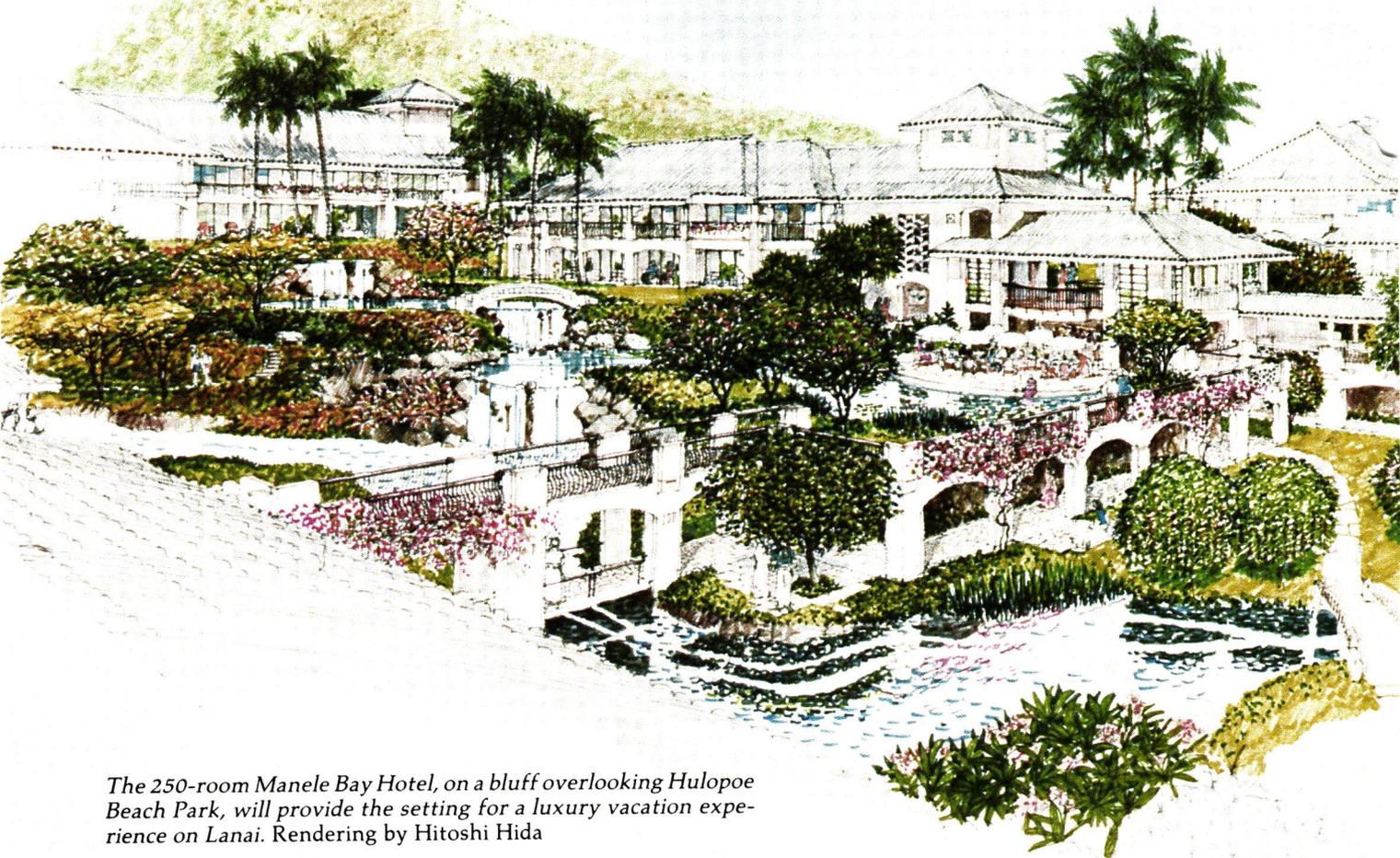
For entry information, call the Hawaii Remodelers Council at 847-4666.

Co-sponsored By



Building Industry  
Associations'  
Hawaii  
Remodelers Council

Honolulu  
HONOLULU Magazine



*The 250-room Manele Bay Hotel, on a bluff overlooking Hulopoe Beach Park, will provide the setting for a luxury vacation experience on Lanai. Rendering by Hitoshi Hida*

*(continued from page 10)*

Richardson (who still lives on the site), "This is how it used to look." He refers to the rolling grasslands that have recently replaced choked clumps of undergrowth and Christmas berry.

A 20-minute ride to Hulopoe Bay leads to the site of the 250-room Manele Bay Hotel, now being graded. This two-story hotel, which will step down the slope of the bluff next to Hulopoe Beach Park, brings something new and old to the island. It is envisioned as a large residence with main house and court villas evoking the Oriental/Mediterranean influence in Hawaiian architecture of the 1920's - 1940's.

With bluish-gray tile roofs shading off-white masonry walls, espaliered with climbing vines and bougainvillea, the hotel will provide the setting for a luxury

vacation experience served by Rockresorts, manager of both hotels and partner in the venture.

Court buildings will focus on gardens designed by Walters, Kimura & Associates based on the cultures of the Pacific Rim. Hawaiian, Chinese, Japanese and Southeast Asian gardens will emphasize the multi-ethnic composition of the island's population and Hawaii's multi-cultural character. Another 18-hole golf course by Nicklaus will be set on the bluffs overlooking the sea.

The adjacent Hulopoe Beach Park will be expanded and improved for community use. Traditional camping privileges at the park and access to all areas of the coastline will continue. Significant archaeological artifacts will be preserved in place and identified for residents and visitors to study.

Numerous other projects are being contemplated and completed, not the least of which is a major recreational center with soccer fields, swimming pool, baseball diamond, archery range, etc., recently dedicated to the community by David Murdock. Part of Murdock's vision is to move the island toward greater self-sufficiency in agriculture with expanding vegetable production, reinstating beef production, raising game birds and poultry and keeping bees for honey.

There is fantasy in this vision, but it is fantasy tied to the lives and hopes of real people. The Lanai that is emerging exemplifies the use of creative resort development as a springboard to build and achieve shared visions. This, then, is a fantasy with substance, a reality made of dreams. HA

## Sharpe Company

**Representative For:**  
 Atlas Bolt & Screw • Zip-Rib  
 Alumax/Howmet Aluminum  
 McElroy Metal Mill  
 Merchant & Evans

116 Kailuana Loop, Kailua, Hawaii 96734  
**Phone (808) 262-7336**

## Florexotica, Inc.

SILK FLOWERS AND FOLIAGE



- Custom trees to 20 ft.
- Planter boxes
- Arrangements
- Direct import prices
- Free design service

**500 Ala Kawa, #210**  
**Honolulu, Hawaii 96817 • 842-5166**

## FABRICA

FABRICA INTERNATIONAL

Residential & Commercial Carpet  
 Handcrafted Area Rugs now represented by  
 FLORENCE SHIBUYA

**Designer Showroom**  
 214-G Sand Island Access Road  
 Honolulu, Hawaii 96819  
**Phone: (808) 841-5025**

## FUTURA STONE OF HAWAII

DESIGNER ELEGANCE IN  
 OUTDOOR FLOORING



FREE ESTIMATES  
 RESIDENTIAL  
 COMMERCIAL

2895 Ualena  
**833-7433**



## 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**

## HONOLULU FAN SHOP



**"Quality Backed By Service"**

Kaneohe  
**247-3363**  
 45-955 Kam. Hwy.

## ALL POOL & SPA



Residential/Commercial

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

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



## Nightscaping

THE 12-VOLT OUTDOOR LIGHTING SYSTEM

THE EFFECT IS SEEN  
 NOT THE SOURCE

*Dramatic Garden Lighting  
 & Supplies, Inc.*

616 POHUKAINA STREET, HONOLULU  
 (808) 545-7042

## KATSUBE CABINET & FIXTURE

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

**1320 Kalani St.** **845-7447**  
 #301 up the ramp Lic. No. C9295

## CADASSIST

MicroCAD Consultant



General MicroCAD Consulting  
 AutoCAD Customization  
 AutoCAD Training  
 Digitizing

**538-0760**

## FIREPLACE HAWAII INC.

630 Laumaka Street  
 Honolulu, Hawaii 96819-2312  
 (808) 842-3100  
 Eve Blomgren, President

## SAYLOR BIDWELL PACIFIC

745 Fort St. Mall #604  
 Honolulu, Hawaii 96813

Phone: **521-9411**

- UBC Section 306 Inspections
- Expert Witness Testimony
- Mediation/Arbitration
- Claims Preparation
- Project Management • CPM Scheduling

**JAMES K. BIDWELL P.E.**  
 Certified Arbitrator and Mediator  
 General Engineering and General Building Contractors Licenses

## GLAZING CONTRACTING KALU GLASS



**955-2231**  
 Lic. No. C-7453




(BC-08322)

## SPECIALTY SURFACING COMPANY HAWAII, INC.

HAWAII'S #1 TENNIS COURT  
 BUILDER, FINISHER & SUPPLIER

**847-0882**  
 Free Specifications & Information  
 116 Adams Way, Honolulu, Hawaii 96819

## Robert Englekirk Consulting Structural Engineers, Inc.

1314 South King Street, Suite 714  
 Honolulu, Hawaii 96814  
**(808) 521-6856**



Michael K. Kawaharada, S.E.  
 Director of Hawaii Office  
 Theodore J. Suzuki, S.E.  
 Project Engineer  
 Stewart N. Williams, S.E.  
 Project Engineer  
 Stuart K. Otake, S.E.  
 Engineer  
 Vince M. Oue  
 Engineer

## DARLINGTON FLOORING

Supply, install, sand & finish hard-wood floors. Residential, Office, Racquetball courts & Gyms. Repairs and maintenance also. Quality & experience.

Licensed and Insured  
**FREE ESTIMATES** Lic. No. C-9236  
 533-2031 **373-3677**



CW ASSOCIATES, INC. dba  
**GEOLABS-HAWAII**

Geology, Soils and  
 Foundation Engineering

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

## PROTECT SERVICES INDUSTRY

Nationwide Sales  
 Installation and Service

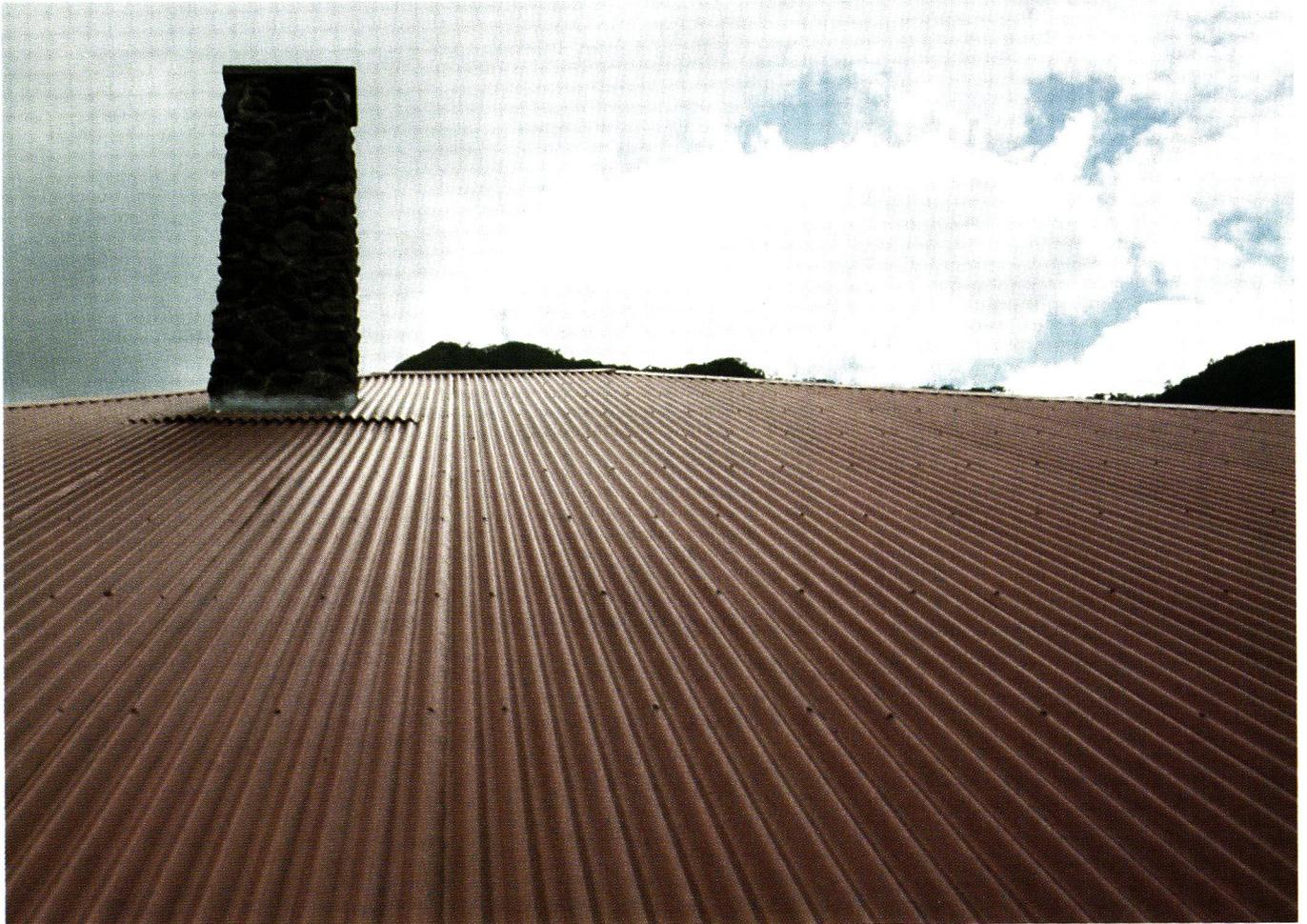
- INDUSTRIAL ■ COMMERCIAL
- INSTITUTIONAL
- Burglar • Fire
- Closed Circuit TV • Access Control

Call for free consultation & estimates  
 No obligation

Central Station Sales & Administration  
**536-2182 537-2591**  
 C-11331 745 South

YOUR AD COULD BE HERE FOR \$60 A MONTH.

# JORGENSEN METAL ROOFING



Profile: Deep Corrugation



**JORGENSEN STEEL**