



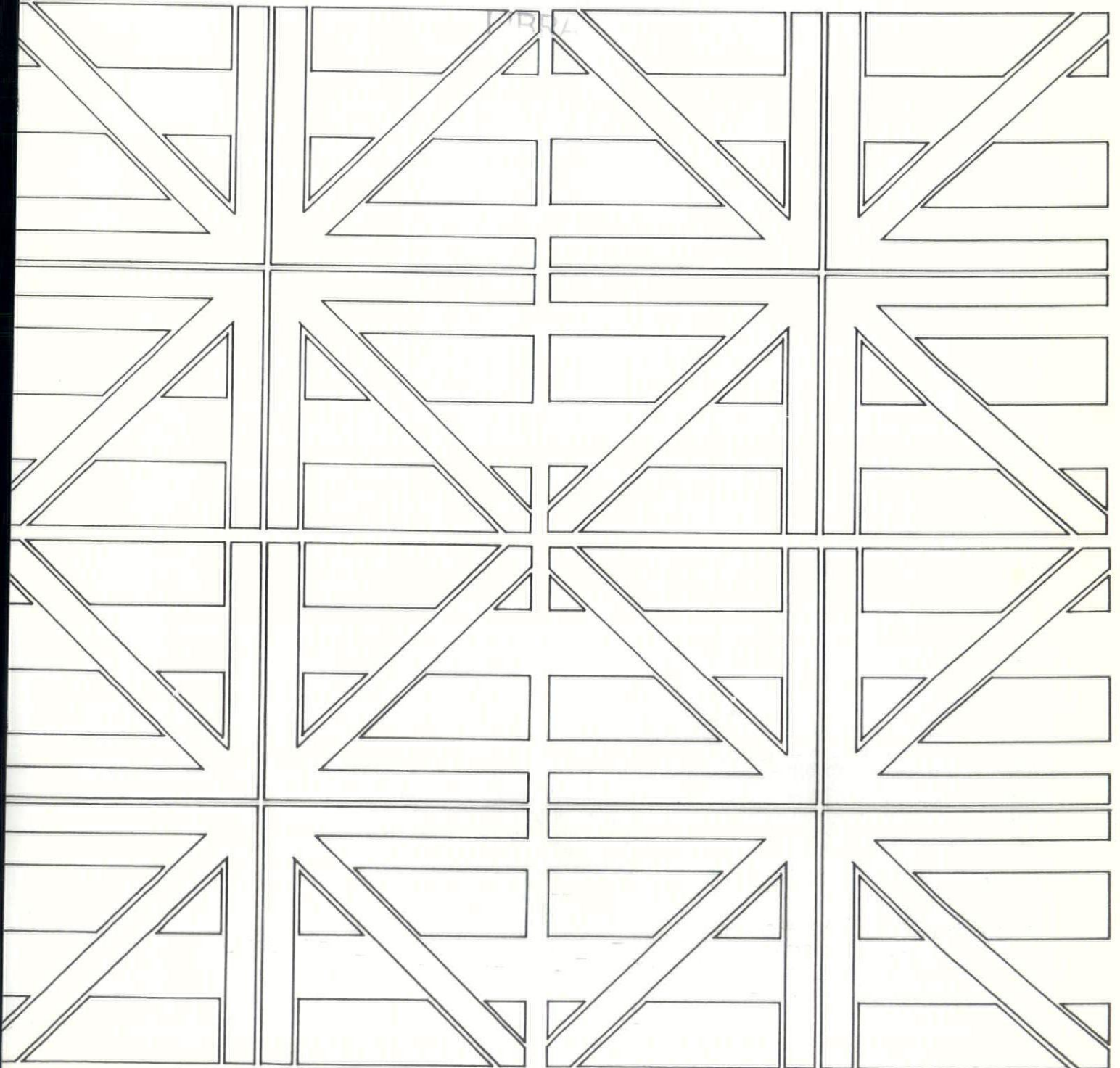
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HA

# HAWAII ARCHITECT

AMERICAN INSTITUTE  
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3/77





# FACTS ON LIGHTING EFFICIENCY

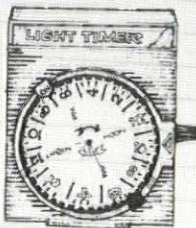
## Keep them clean.

The lights you leave on all day or night for safety and security need your occasional attention. You can lose 30-40% of your available light if you let bulbs and fixtures get dirty. Give them the once-over with a cloth and soapy water, once in awhile.



## Make them automatic.

You can avoid wasting energy by making your security lighting system automatic. Photo-electric cells or timers will remember to turn the lights off (or on) even when you forget.



## New lamps are more efficient.

Check the alternatives to the traditional incandescent bulb. Fluorescent, mercury, metal-halide and sodium lamps may

cost more. But, because they produce more light per watt, and last longer, they give you more for your energy dollar.



## Use electricity wisely.

When it's time to replace or remodel your present lighting system, don't use guesswork. Be certain on getting the most efficient system for your needs.



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## 3/77

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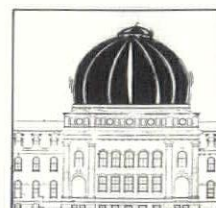
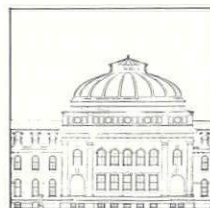
Ted Garduque, Art Director

### HS/AIA Honor Award The Mauna Luan



5

### Metamorphosis Garduque



8

### Community Design in Hawaii



10

### HS/AIA Committees New Members/Promotion Urban Design Message D. Goo

12

15

16

18

### Energy-HS/AIA Recommendation

### HS/AIA Honor Award Lacayo Office



20

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All correspondence should  
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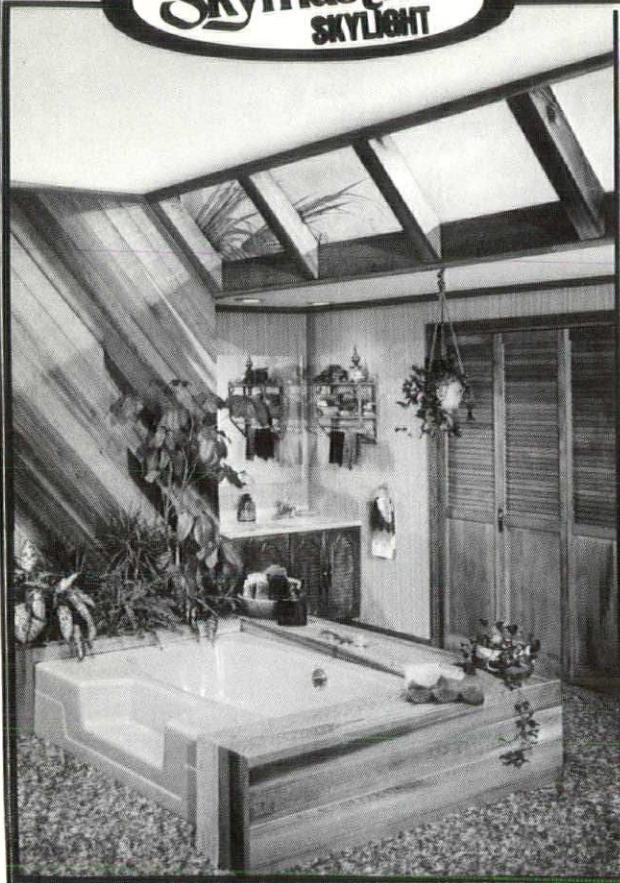
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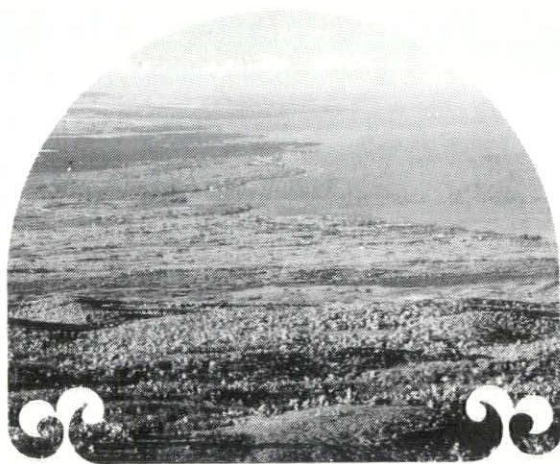
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# HS/AIA Honor Award

## The Mauna Luan



The Mauna Luan, a 440-unit project, is designed around the concept that high-rise living can convey a warm, human scale.

The basic principle was to achieve as much of a residential character as possible. The variety of seven unit plans and their combination within the twin tower building has allowed for a staggered plan as well as providing an exterior articulation which develops an individual residence identity.

The plan also increases the resident's sense of privacy in that no unit looks into another. Minimization of party walls insures acoustical privacy.

Instead of lanais, most units have projecting bay windows which, combined with the staggering of adjacent units, develop the feeling that each residence is a corner unit with views of the valley and out to the ocean.

For outdoor living the Mauna Luan offers acres of parks and waterways. The grounds are divided into two similar park areas, each with a large swimming pool, whirlpool spas, meandering streams, waterfalls, rock formations, and private barbe-

**Continued on Page 6**





# HS/AIA Honor Award

## The Mauna Luan

Continued from Page 5

que areas. Other amenities include health spas, exercise rooms, handball courts, bar and lounge areas, and a volleyball court.

In addition to the Hawaii Society Honor Award, the project received "Best in Show," "Best Condominium — Category A," and "Outstanding Achievements in Condominium Amenities" awards from the 1976 Parade of Homes.

### JURY COMMENTS

An honor award for a high-rise building. In relation to the land and its surrounding, the architect did an outstanding job of planning and design. This project features an interesting garden and a romantic exterior. Its soft residential quality is sorely needed for living in today's high-rise buildings.

### CREDITS

Architectural & Landscape Design: David G. Stringer & Associates, Ltd.

Client: Kaiser Aetna

Structural Engineer:

Babayan &  
Pappas, Inc.

Civil Engineer:

Tryck, Nyman &  
Hayes, Inc.

Electrical Engineer:

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Mechanical Engineer:

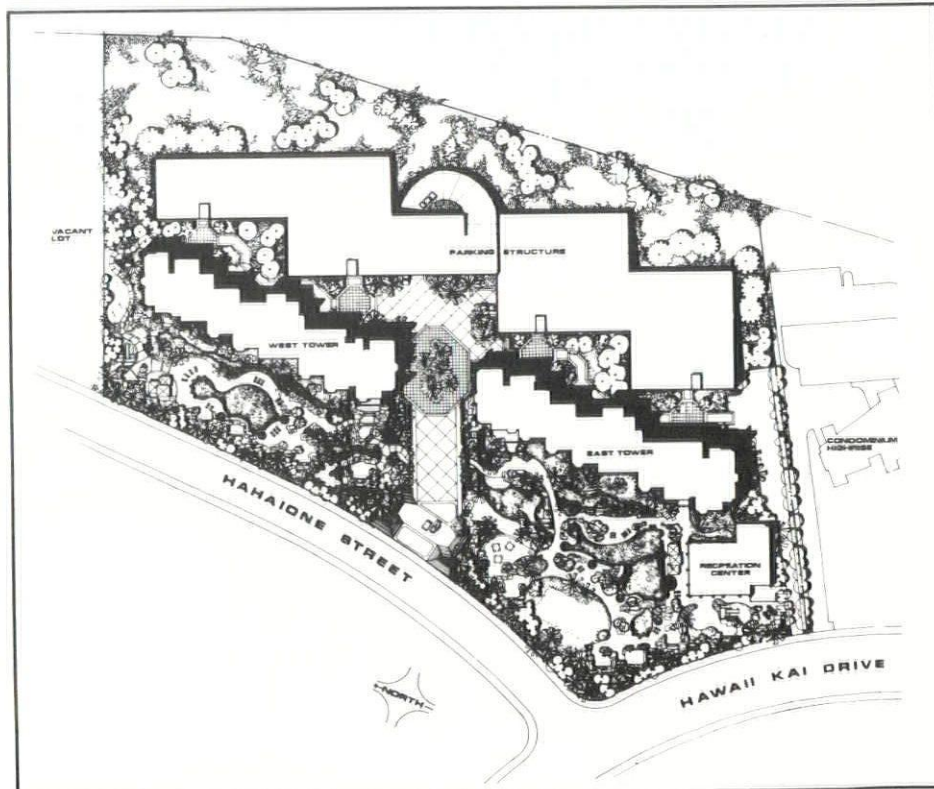
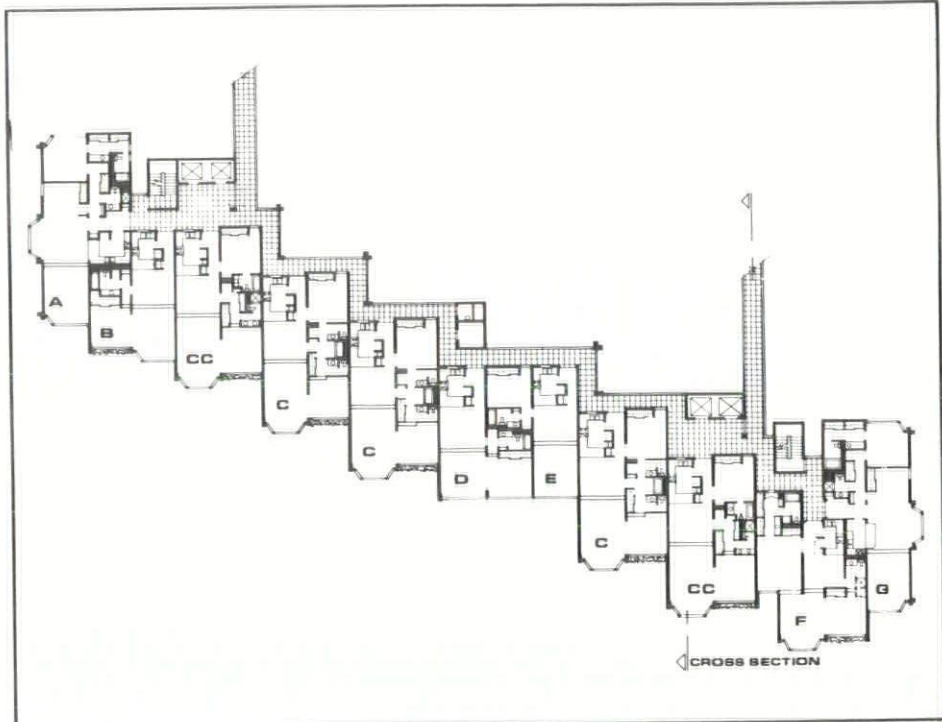
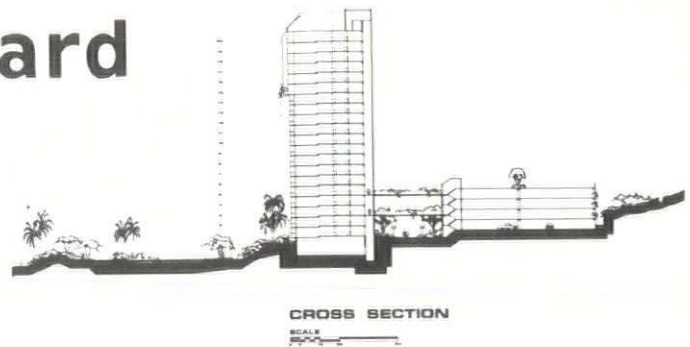
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Plant Selection Consultant:

David T. Woolsey,  
Landscape Architect

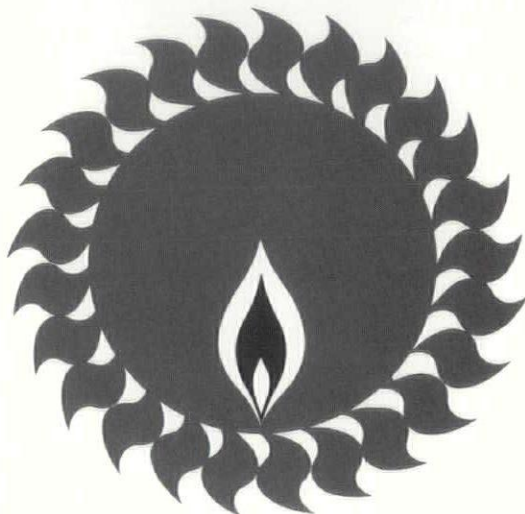
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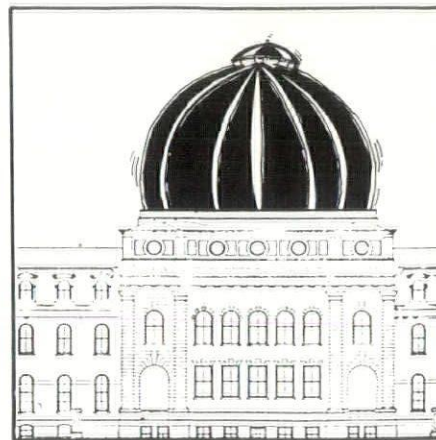
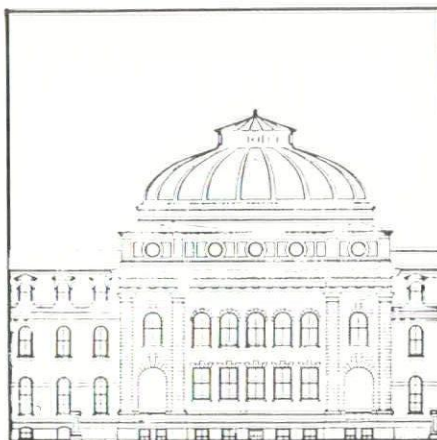
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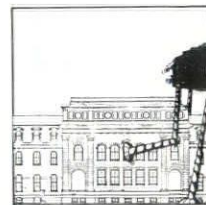
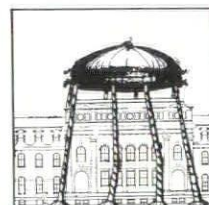
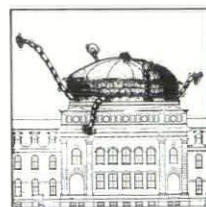
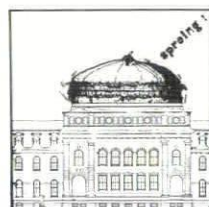
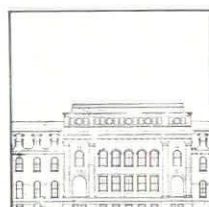
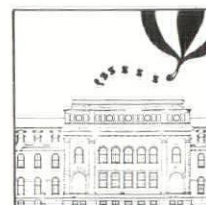
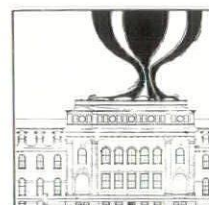
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Continued on Page 19

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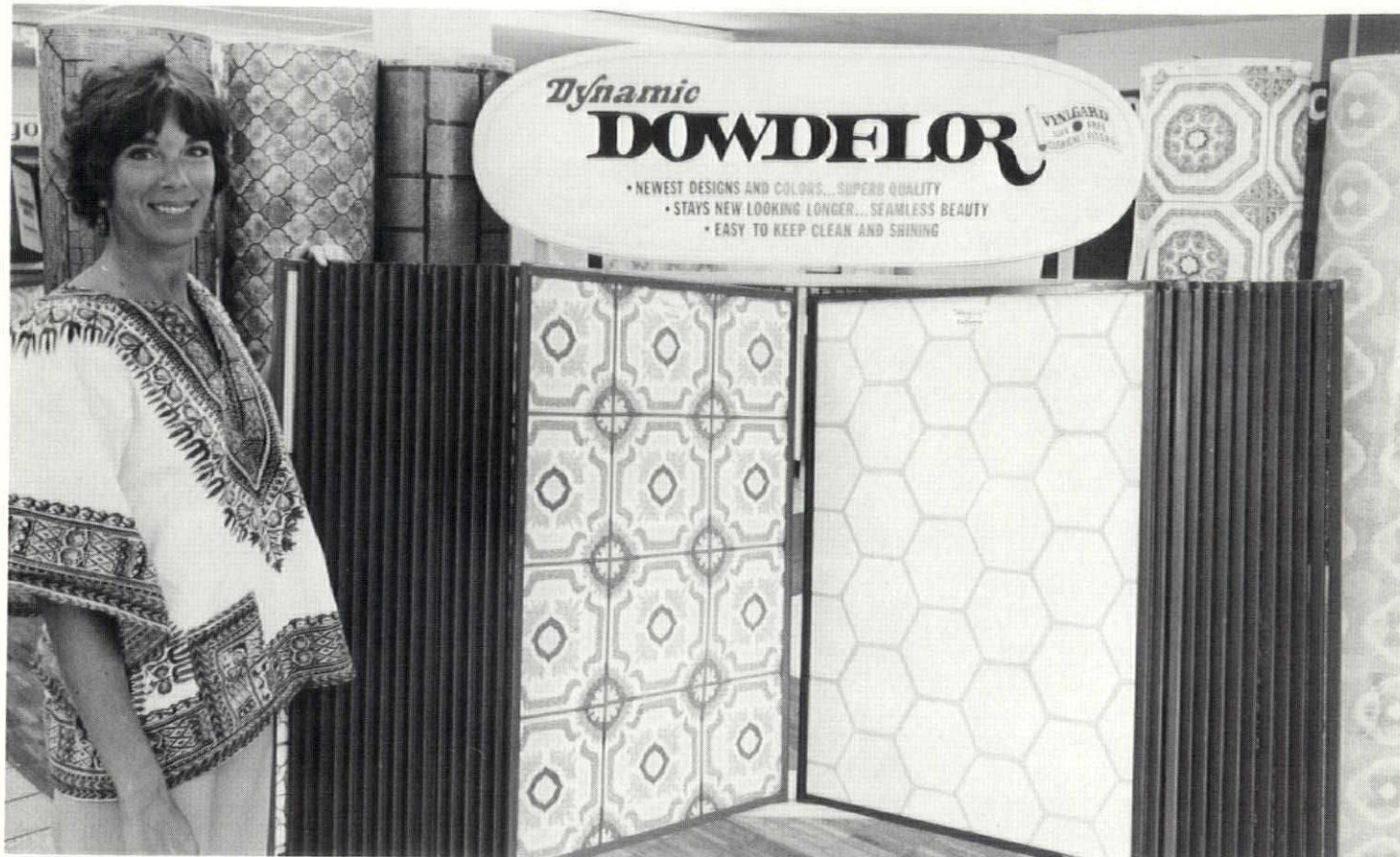


INTRODUCING

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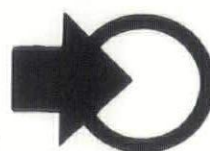
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# Community Design in Hawaii

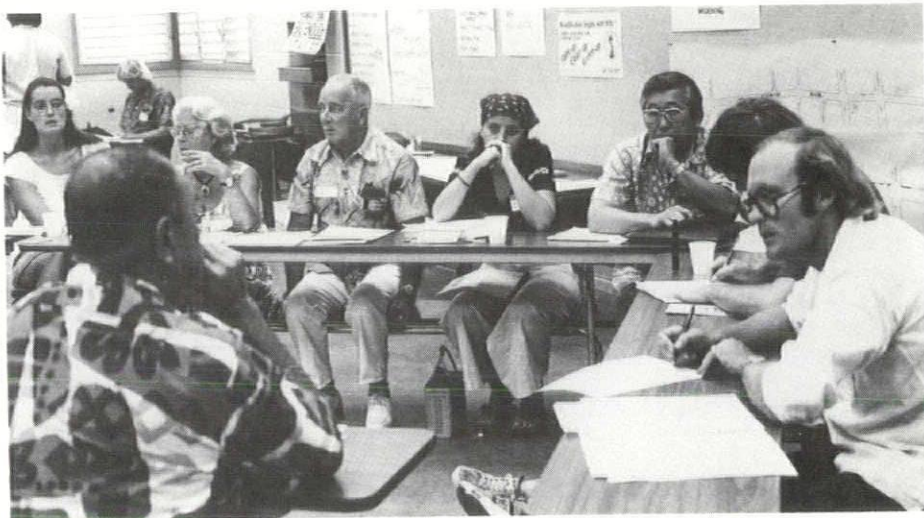
by Ann Sawyer, HCDC

The HCDC is now offering its services from its office at 1186 Fort St. Mall, Room 209 — above the AIA office. The five-member staff is enthusiastic about its new location because of the nearness of consultants and other resources in the business community plus the better working conditions of the office itself.

In leaving Waikiki the staff members bid aloha to the residents with whom they had worked closely in many ways during their stay in the "jungle." Most recently the planners at HCDC had assisted a large number of the local residents including other neighborhood community service organizations to prepare alternatives to the proposed Kuhio Ave. widening. While the events at the public hearing did not prevent the proposed widening, it was encouraging to witness the amount of concern for the quality of the environment generated by the community.

Through the years the Design Center has been involved in the low-income community, making available services including graphics; preliminary designs and presentation drawings; interiors, space planning, renovations, and additions; and experimenting with and promotion of new low-cost building materials and alternative utility systems.

It has served also by educating the community through publications and presentations about the potential of self-help architecture, by educating students through participation in actual projects, and by physical and social planning.



Bill McKinley (far right) at Kuhio Ave. workshop.

Out of this range of services the efforts directed toward the self-help housing concept have had the most impact on the low-income community. Increasing numbers of persons who do not qualify for mortgages (nor particularly want them) yet are determined to become home owners are choosing the build-your-own alternative.

These clients find their way into the Design Center office mostly on their own initiative from having seen the Minimum House or the book, "Build Your Own House in the Old Ohana Style." The house in Waimanalo and its manual for construction were presented by HCDC as an example of a basic and flexible system for low-cost, self-help housing.

Unfortunately the client with this much motivation represents a minority of the low-income community. Individuals in the impoverished segment of society are often unaware of the opportunity for self-development.

Instead their hopes usually are directed to partial, short-term solutions offered by government housing programs. HCDC agrees with the following thought by John Turner:

"When dwellers control the major decisions and are free to make their own contributions in the design, construction, and management of their housing, both this process and the environment produced stimulate individual and social well-being. When people have no control over nor responsibility for key decisions in the housing process, dwelling environments may instead become a barrier to personal fulfillment and a burden on the economy."

In light of the goals of the Design Center an evaluation of past services has led the staff to curtail some services, such as graphics, and to focus more directly on the promotion of the self-help housing concept. A large segment of potential self-help home owners is not reached



## The Hawaii Community Design Center Relocates and Redirects its Focus

unless the concept is actively promoted through the various media.

One of the most interesting projects currently on the boards came into the HCDC office via the low-income community grapevine. The Design Center has been asked to design five replacement houses for fishermen on Mokauea Island whose houses were burned by the State Department of Transportation almost two years ago.

As part of a settlement for damages the state has given the Mokauea Fishermen's Association a 65-year lease on the island and will provide the material for them and their families to rebuild the destroyed houses.

Also included by the state will be a water line installed out to Mokauea which will enable the small island in Honolulu Harbor to become a self sufficient fishing village similar to those which abounded in the harbor less than a century ago. (Mokauea is the last continuous remnant of that way of life on Oahu.)

The scope of the project for the Design Center has expanded to include the master-planning of the entire island for a total of 14 houses, a community building, a bath house, gardens, paths, a fishpond and other elements as desired by the fishermen's association. The design will include responsible ecological planning with features such as solar heaters for water plus waterless composting toilets.

The Design Center staff has been streamlined in numbers and upgraded professionally —

there are now two registered architects in-house — so the capabilities have become more specific than general. With the turnover in staff inherent in a volunteer supported organization the Design Center plans to continue in its present direction of improved professional services engaging more support from community resources and other professional volunteers.

Anyone who is able to contribute time in this way will discover the rewards of appreciation from the client and the satisfaction of having added to the betterment of society.



**New home for HCDC.**



**Staff: (from left) Bill McKinley, Ann Sawyer, Liz Withington, Joe Taylor, and Steve Potter.**





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H. Olson

R. Oda

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D. Goo

League of Women Voters

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A. State  
1. General Plan  
2. Interim & Coastal Zone  
3. Energy  
4. Endangered Species  
5. Government Policies  
Affecting Architecture  
a. A/E Selection

A. Kohara

J. McAuliffe

J. Pearson, G. Brean, L. Blair

D. Goo

D. Chapman, F. Haines, E. Hara, J.

G. Tong, W. Kinder, K. Akiyama



o. A/E Contract  
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EIS  
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Resolution #8  
(Economic Impact Stm)  
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General & Development Plan  
Flood Plain  
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a. Kakaako  
b. Punchbowl  
c. 3-M  
d. Waikiki  
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C. Miyamoto  
S. Snyder, W. Chong, Alt.

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### I PROGRAM

G. Allison

### II AWARDS

A. Honor—Design  
B. Student—  
C. Community  
D. Parade of Homes  
E. CEC  
F. Home Builders

N. Ybl

E. Aotani

### III PUBLICATIONS

A. MEMO  
B. HAWAII ARCHITECT

B. McKeague  
W. Chong, R. Holecek

### IV EXHIBITS

A. Honolulu  
B. Maui  
C. Hawaii  
D. Kauai

D. Daniel  
R. Preuss  
H. Olson

### V PR

A. 1976 Honor Awards  
B. 1977  
1. Legislative Issues  
2. Student Awards  
3. Community  
4. AIA Policies  
5. Election

D. Stringer (Media)

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Committee Members

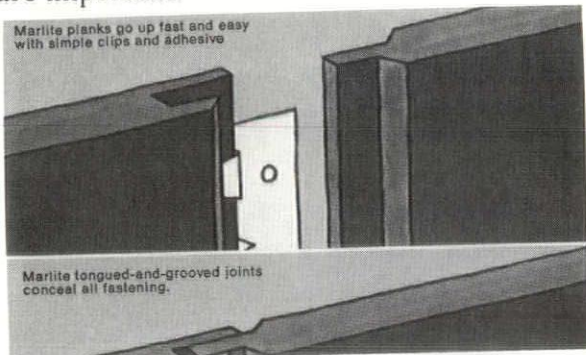
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Continued on Page 16



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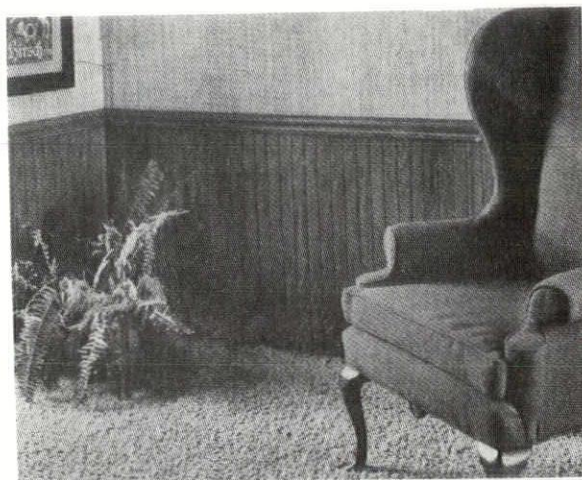
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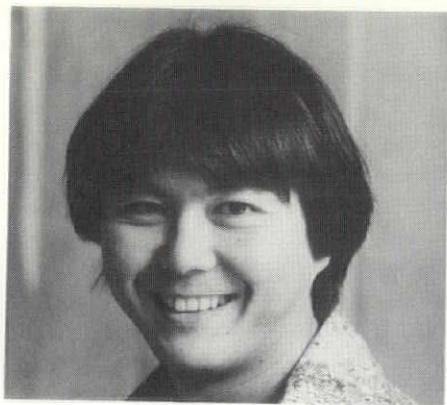
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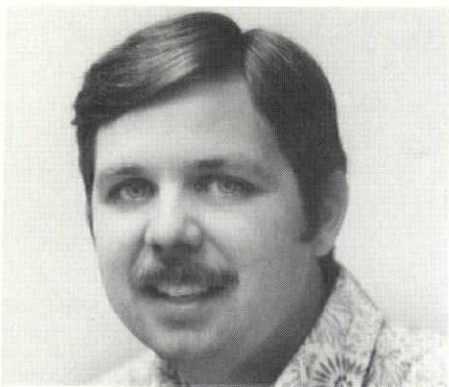
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## New Member

William Ichiro (Bill) Sakaguchi. Corporate member; Kapalua Land Co., Ltd. B. of Arch., U. of California, Berkeley. Wife: Gene Louise. Children: Andrew 7, Daniel 5.

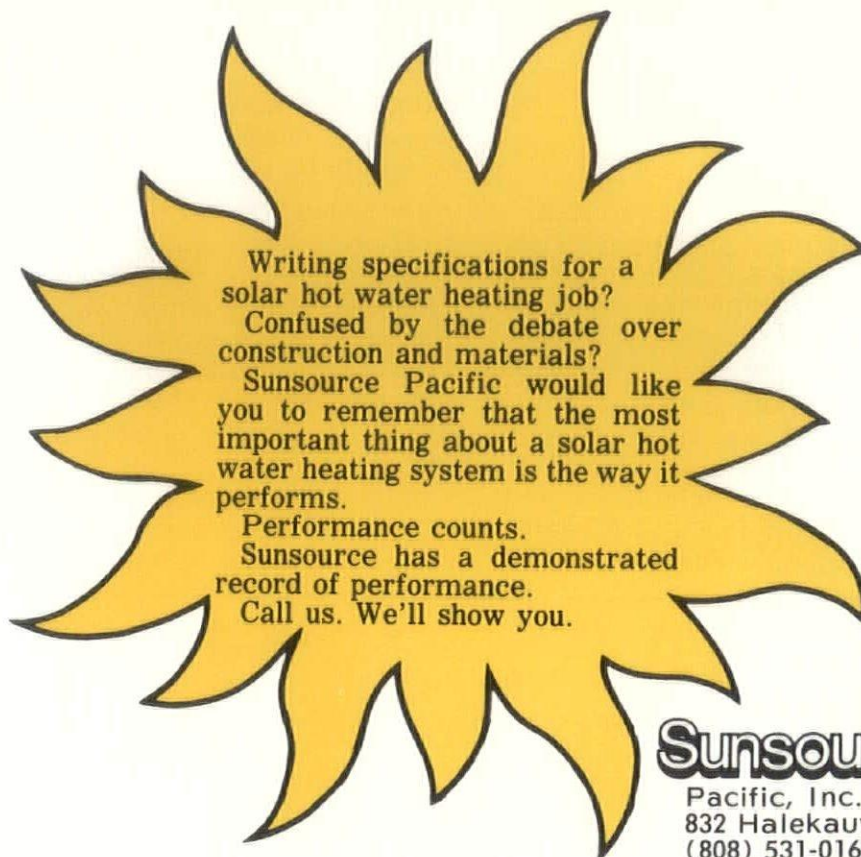


## Promotion

Frank Haines, president of Architects Hawaii, announced the promotion of Darrell (Buck) Welch to the position of associate in the firm. A native of Texas, Welch has lived in Hawaii since 1961 and graduated from Punahou school. He earned a Bachelor of Architecture degree from the University of Texas, Austin.

A member of the American Institute of Architects, Welch joined Architects Hawaii more than three years ago. He is also a director of the Bishop Street Exchange Club and Honolulu Flyers (a local flying club) and is active in the Maunawili Community Association.

Welch and his wife Bronwen live in Kailua with their daughter Jessica, two, and son Garrett, five.



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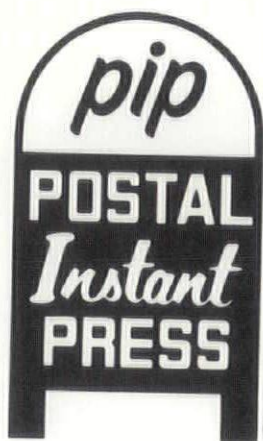
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# Urban Design Message

Article by  
Don Goo, AIA

The "Statement of Urban Design Principles and Controls" to be incorporated into the development plan will greatly impact the practice of each architect, the profession, and the community. The clarity of what is expressed in the Statement of Urban Design Principles and Controls, how it accommodates the changing needs of the com-

munity, our physical, social, and economic needs are important factors to be considered.

The Hawaii Society, AIA, and other professional and community organizations have encouraged that urban design principles be included in the development plan. The time has come to develop those statements of Urban Design Principles and Controls.

Initial discussions by many individuals and groups have revealed that there are many defi-

nitions of Urban Design. These points of view include the many aspects that make up an urban design plan. The individual definitions may be clear but their development into guidelines that will establish a clear priority of values and goals will be most important to the implementation of the development plans.

At the present time, the City Council has formed a subcommittee on Urban Design Education, co-chaired by Councilman

## HS/AIA Committees

Continued from Page 13



James C. Young,  
Secretary



Paul S. Osumi,  
Director

### MEMBERSHIP

James C. M. Young, Secretary

- |      |                              |                          |
|------|------------------------------|--------------------------|
| I    | DIRECTORY                    | B. McKeague              |
| II   | NEW MEMBER                   | L. Yanagisawa, Lee Davis |
| III  | SERVICES                     |                          |
|      | A. Documents                 | Leslie de Boer           |
|      | B. Library                   |                          |
| IV   | ETHICS                       | G. Kekoolani             |
| V    | NOMINATING                   | A. Holl                  |
|      |                              | O. Chock                 |
|      |                              | E. Aotani                |
| VI   | PROGRAM                      | G. Ogata                 |
|      | A. Convention Steering Comm. | O. Chock                 |
|      | 1. Convention                |                          |
|      | 2. Annual Meeting & Election | J. Reinhardt             |
|      | B. Fellowship                | C. Miyamoto              |
|      |                              | M. Yamasato              |
|      | C. Education                 | A. Schwartz, F. Oda      |
|      | D. Business & Issue Meetings | D. Goo, A. Holl          |
|      | E. Social                    | G. Ogata, M. Yamasato    |
|      |                              | C. Miyamoto              |
| VII  | CONVENTION                   |                          |
|      | A. Grassroots                | D. Goo                   |
|      | B. National                  | D. Goo                   |
|      | C. Regional                  | A. Holl                  |
|      | D. '79 Regional              | F. White                 |
| VIII | ASSOCIATES                   |                          |
| IX   | PAPAIA                       | C. Saake                 |
|      |                              | E. Aotani                |

### PROFESSIONAL DEVELOPMENT

Paul S. Osumi, Director

- |    |                                  |                       |
|----|----------------------------------|-----------------------|
| I  | STUDENT                          | A. Schwartz           |
|    | A. UH Liaison                    | D. Steinbright        |
|    | B. Community College Liaison     |                       |
|    | C. Student Liaison               | O. Chock              |
|    | D. Awards Student—UH             | N. Ybl                |
|    | —CC                              | N. Ybl                |
|    | E. Hawaii Architect Scholarship  |                       |
| II | PROFESSIONAL                     |                       |
|    | A. Continuing Education          | F. Oda                |
|    | 1. Recertification               |                       |
|    | B. Management                    |                       |
|    | 1. Wage Survey                   | E. Umemoto            |
|    | 2. POP Standards                 | E. Umemoto            |
|    | 3. Liability                     | E. Umemoto            |
|    | 4. Masterspec                    | E. Umemoto            |
|    | C. Board of Registration Liaison | G. Hu                 |
|    | D. DCIC Liaison                  | W. Winchell, A. Siu   |
|    | E. CSI Liaison                   | M. Leineweber         |
|    | F. National AIA Committees       |                       |
|    | 1. Office Management             | O. Chock, D. Toyomura |
|    | 2. Project Management            | S. Snyder, G. Tong    |
|    | 3. Community Development         | C. Sutton             |
|    | 4. Arch. in Commerce & Ind.      | L. Fulton             |
|    | 5. Planning                      | E. Botsai             |
|    | 6. Environmental Educa.          |                       |
|    |                                  | F. Haines             |
|    | 7. Codes and Standards           | L. Noe                |
|    | 8. Urban Planning & Design       | Sullam                |



Rudy Pacarro and Aaron Levine. This committee consists of the presidents of AIA, AIP, ASLA, ODC, DIA, WIA, and the University of Hawaii Department of Urban Studies.

The committee has invited Larry Reich of Baltimore and Rai Okamoto of San Francisco as the first guest lecturers. They will be here March 21st through March 25th. As planners, they will be relating their experiences regarding the success and failures of the urban design controls in their cities.

Both speakers are recognized for their achievements in this method of planning. They will be meeting with the Council, the planning staff of the City and State, University of Hawaii students, the profession, and the public. It is intended that through lectures and workshops on urban design the community will become familiar with a common vocabulary used in urban design controls.

Government, the community, and the profession need to have this common understanding of the mechanics as well as the method of establishing priorities which will guide the development of our communities.

The role of the profession will be to guide and influence the creation of an urban design plan which incorporates clear guidelines for growth. The HS/AIA is considering developing a seminar or workshop series on urban design as a continuing education program in conjunction with the University of Hawaii Department of Architecture.

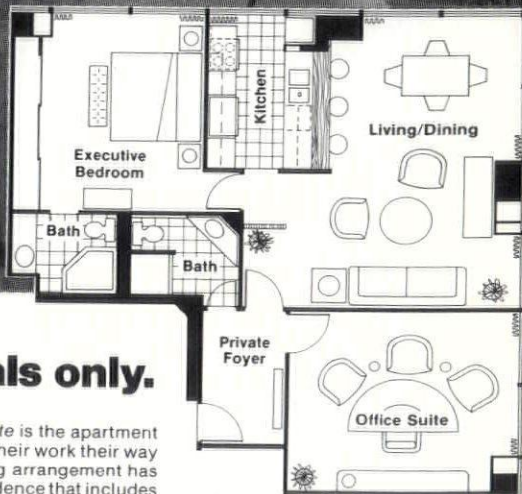
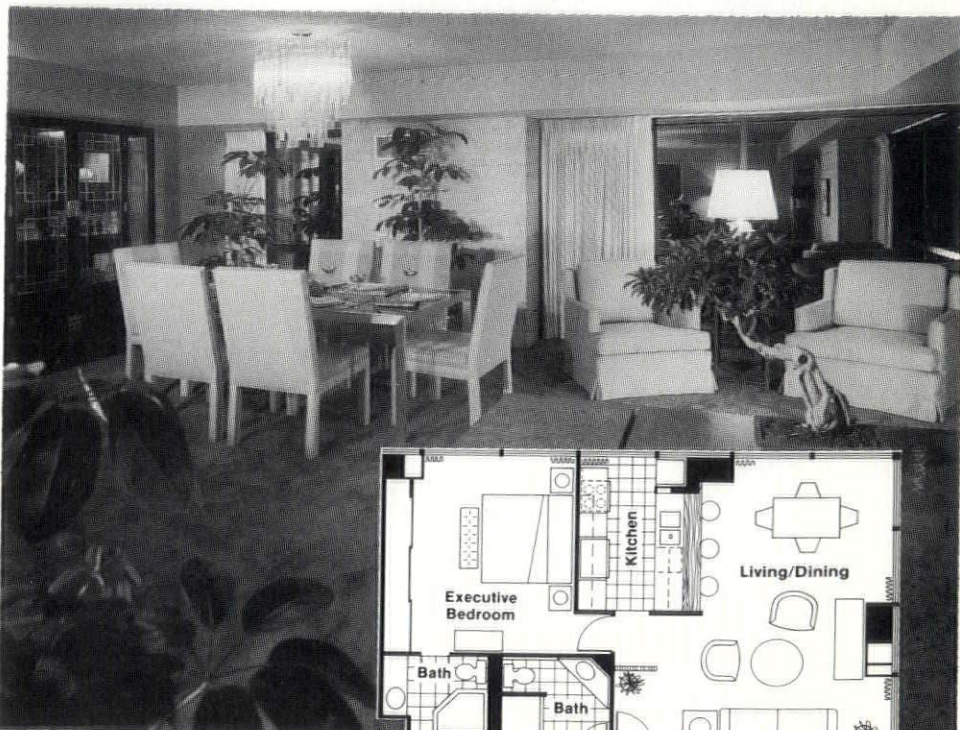
This program is being organized by our Continuing Education Committee, chaired by Francis Oda. He would appreciate a call to him at 533-4445 to indicate your interest in a program of this nature.

Concurrently with the work-

shop series, it is intended that some or all of the participants of the workshop would be organized to form an advisory group to the City and State Planning Departments. It has been indicated by AIP and ASLA that their members would also be interested in participating in the workshop series as well as the

advisory group.

There is much to be gained by all interested parties working together to create urban design controls which will benefit the entire community. As professionals we have an obligation beyond our individual concerns to assist the community in the areas of our expertise.



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# Energy

## HS/AIA Recommendation

Following is the text of a letter sent to Senator T. C. Yim, chairman, Committee on Energy and Natural Resources, State of Hawaii, by the HS/AIA Energy Task Force comprised of James Pearson and George Berean, co-chairman; Charles Chamberland, Luther Blair, and Neil Parnes, committee members.

The Hawaii Society of the American Institute of Architects Energy Task Force, respectfully wish to submit the following recommendations and proposals for the consideration by your Committee on Energy/Natural Resources:

### I. ENERGY SOURCES

#### A. Self-Sufficiency

Until such time that Hawaii is energy self sufficient and no longer depends upon an outside source of fuel for the provision of energy, that the transportation of this fuel to Hawaii be exempt from any disruptive actions.

#### B. Renewable Sources

As a long-range goal, Hawaii should further encourage the development and use of renewable sources of energy, such as solar, geothermal, wind, hydroelectric, ocean thermal energy conversion, etc.

### II. ENERGY CONSERVATION

#### A. Performance Standards

We strongly recommend that the ultimate, long-range energy policy for the built environment within the State of Hawaii be centered around the concept of an energy budget for each building (existing or proposed), otherwise known as a Performance Standard.

Our reasons for this recommendation are:

1. It will allow a more precise control in the reduction of energy consumption.
2. It will encourage the development of new energy saving devices.
3. It reflects the spirit of cooperation between the government and private sectors of this state.
4. It allows the designers and owners of buildings the most flexibility to remain within a given energy budget.

#### B. Prescriptive Standards

We are currently evaluating six building types from high-rise office, hotel and condominium to low-rise office, with the Hawaii Chapter, ASHRAE energy committee, using the ASHRAE 90-75 program. The results of this evaluation will be available around mid-February. We feel that ASHRAE 90-75 should be influenced by the results of this analysis. The impact of energy legislation should be carefully studied as to its impact on the total economic well being of our community.

We do strongly recommend that this Standard be subject to the following conditions:

1. That it is intended solely as an interim measure.
2. That it "self destruct" as soon as an acceptable Performance Standard be developed.
3. That it may be amended to adapt to the unique conditions found in Hawaii.
4. That it have a non-prohibitive alternate design clause included in its text.

#### C. Amendment and Revisions of Existing Laws and Standards

Much energy could be saved if various government agencies would be willing to do the following:

1. Reduce ventilation requirements.
2. Reduce lighting requirements.
3. Encourage the use of solar protection devices without penalizing the development potential of a property, i.e., projecting roof overhangs, window shades, etc., into required setbacks.
4. Encourage the use of energy conservation through tax incentives.

### III. SUMMARY

In conclusion we respectfully recommend that:

- A. Our present energy life line to the outside be exempt from disruption.
- B. The development of renewable sources of energy should be encouraged.
- C. The development of an energy performance standard for the built environment be adopted.



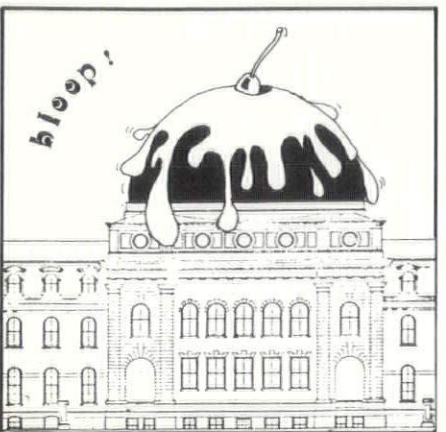
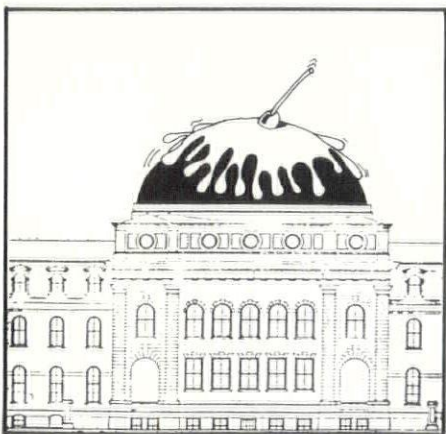
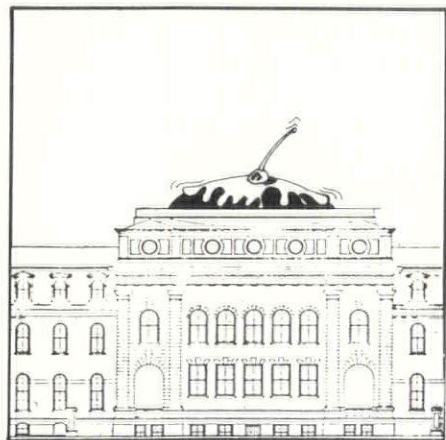
D. ASHRAE 90-75 be adopted, provided that it is temporary, will expire as soon as performance standards are developed, and it can be amended to suit Hawaii's unique needs.

E. Various government agencies revise and amend existing standards, policies, etc. to encourage the conservation of energy.

This Task Force and the resources of our national organization of the Hawaii Society, American Institute of Architects are willing to assist you in achieving these goals.

## METAMORPHOSIS

Continued from Page 8



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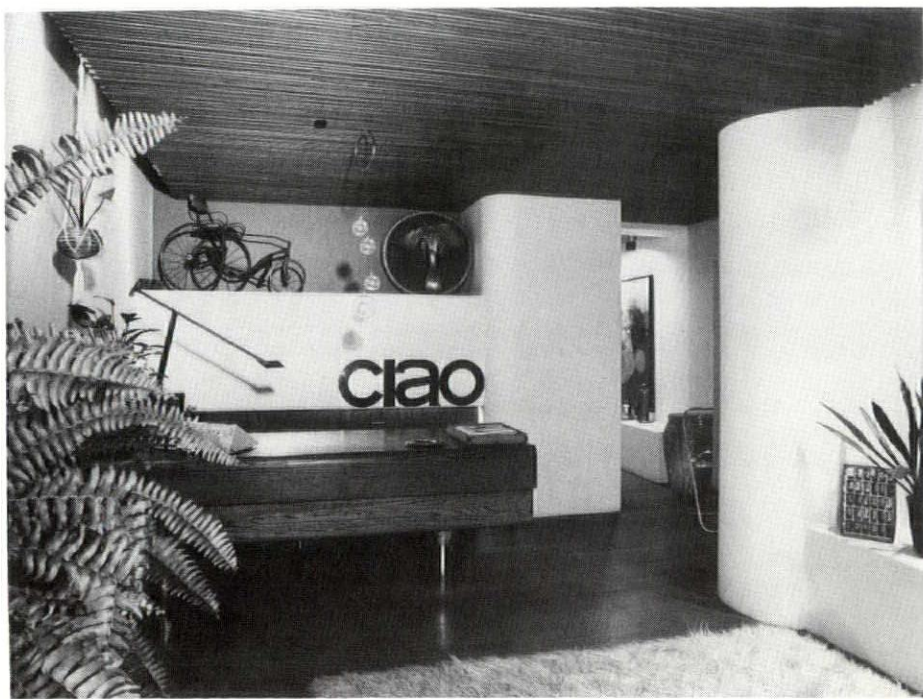
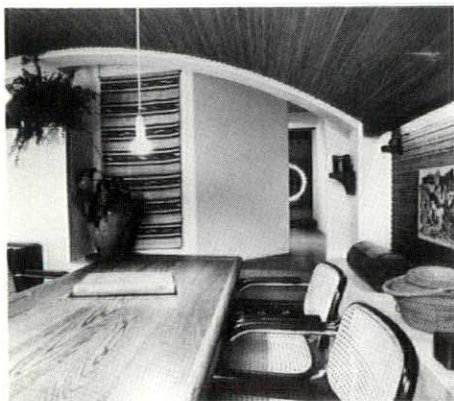
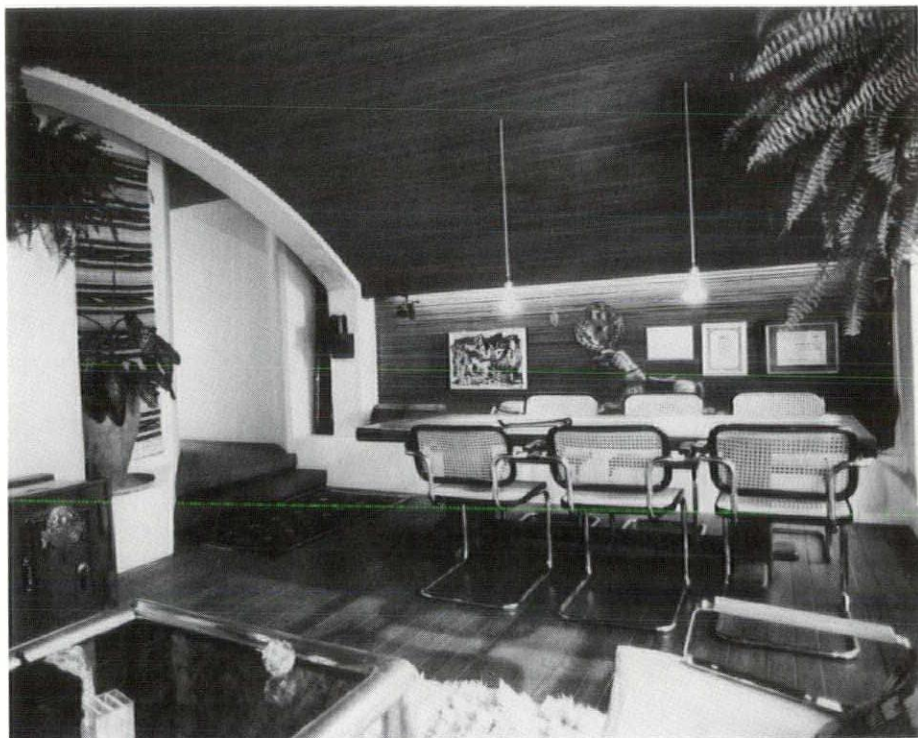
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## Advertisers Index

ALOHA STATE SALES	14
AMELCO ELEVATOR	24
C.C.P.I.	8
CENTURY CENTER	17
COLUMBIA INN	23
GARDEN COURT	23
GASCO, INC.	7
HANA LAND COMPANY	19
HAWAII PACIFIC SALES CO.	9
HAWAIIAN AIR	14
HAWAIIAN ELECTRIC	2
HILTON HAWAIIAN VILLAGE	23
HUALALAI DEVELOPMENT CORP.	4
INTERIOR SHOW PLACE	21
KING TSIN	23
R. D. MASSENGALE, INC.	19
PACIFIC BUREAU FOR LATHING AND PLASTERING	22
PAGODA	23
PANCHO VILLA	23
POSTAL INSTANT PRESS	15
SUNSOURCE PACIFIC, INC.	15
T. R. COMPANY	4

# Upcoming

Planning Calendar for 1977:  
A Set of Objectives for Journal of The HS/AIA

After a series of organizational meetings, the staff of the Hawaii Architect is ready to outline some of its plans for the year ahead. We believe this is important both in establishing goals for the magazine and in letting our readers know of our plans.

In general, we view the magazine as a forum for the dissemination of information and the exchange of ideas, and as an educational tool. It is hoped that increased reader involvement will be a major ingredient in fulfilling these goals.

This involvement will take the form of contributed articles by members of the HS/AIA and related professions. In addition, we view the suggestion/critique process as essential to any improvement. We are new at this: Now is a good time to badger us with your ideas and desires.

Some developments to look for which are already materializing include:

- A bimonthly feature contributed by the American Society of Landscape Architects. The ASLA article in the April Hawaii Architect will be the second in that series.

- The Excom of the HS/AIA has committed itself to using the Hawaii Architect as a means to keep readers informed on committee activities. This will include summaries of studies they may be doing or information about important issues.

- Theme issues will become slightly more prevalent. Tentative plans include the following themes:

April — Planning.

May — A cross-discipline look

at Hawaii's residential building market.

June — Architectural education in Hawaii.

August — Downtown Improvement Association.

September — Preservation materials, techniques, codes, craftsmen.

October — Pre-election issue.

Readers interested in having some input to these or any other issues are urged to contact any member of the Hawaii Architect staff. Opinion papers, technical information, photo-essays and samples of your avocations are all welcome.

We want more Neighbor Island input. Anyone interested in being a Neighbor Island source?

Almost four-fifths of Hawaii Architect's readers are non-architects. As a result, we hope to see more involvement by the related professions.

We have other ideas we are still working out. We want more. Look for ours. We'd like to hear yours.

## Classified Notices

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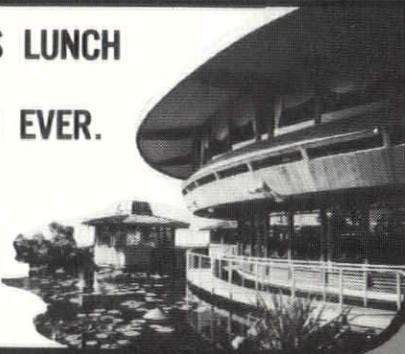
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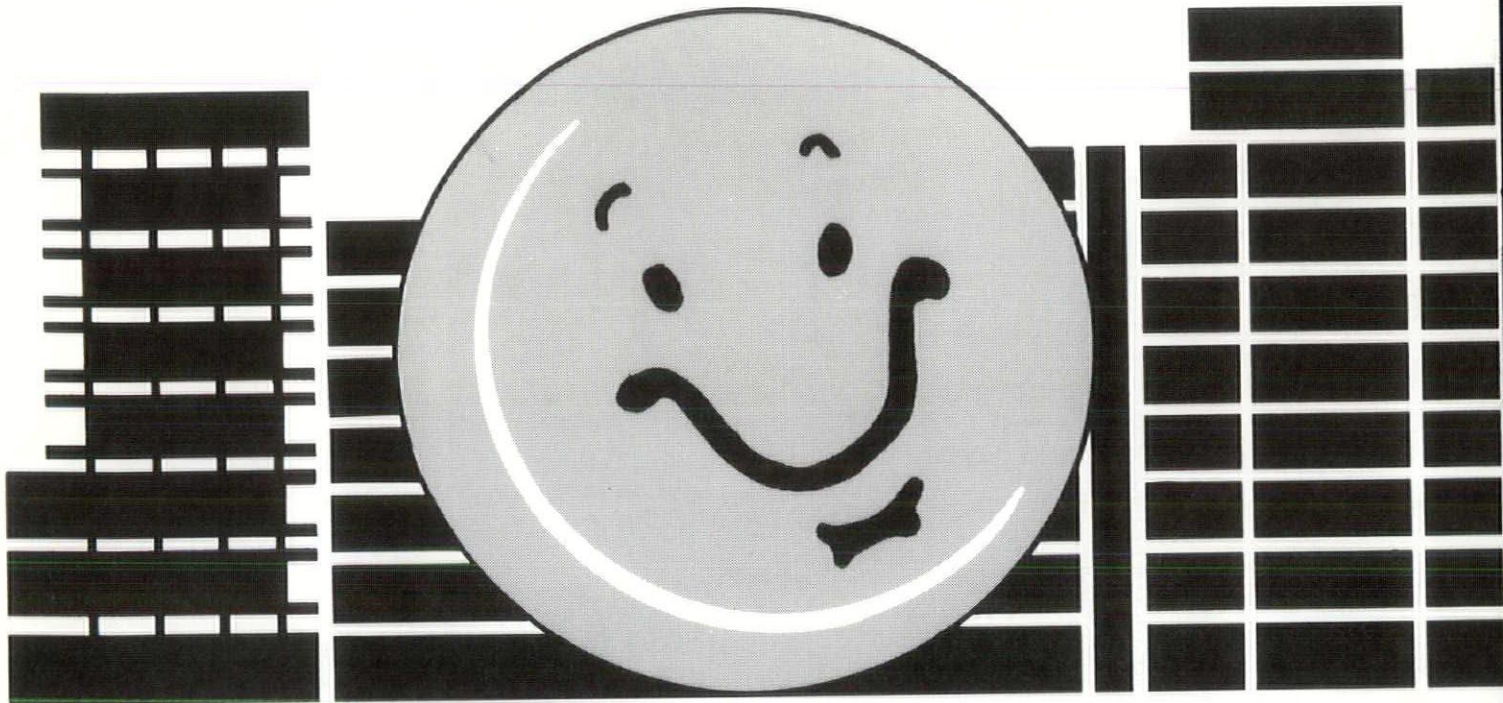
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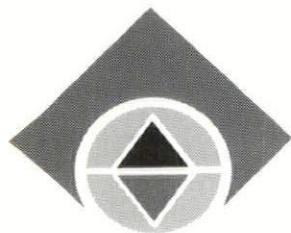


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