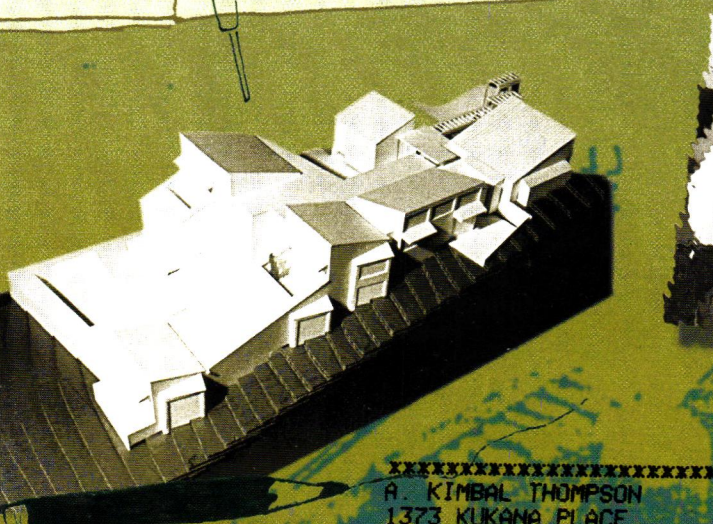
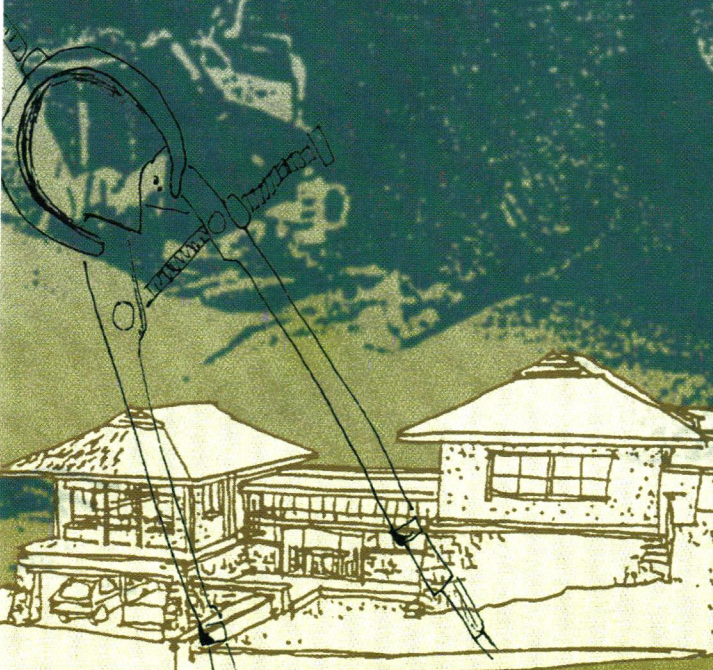


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• Young Architects at Work



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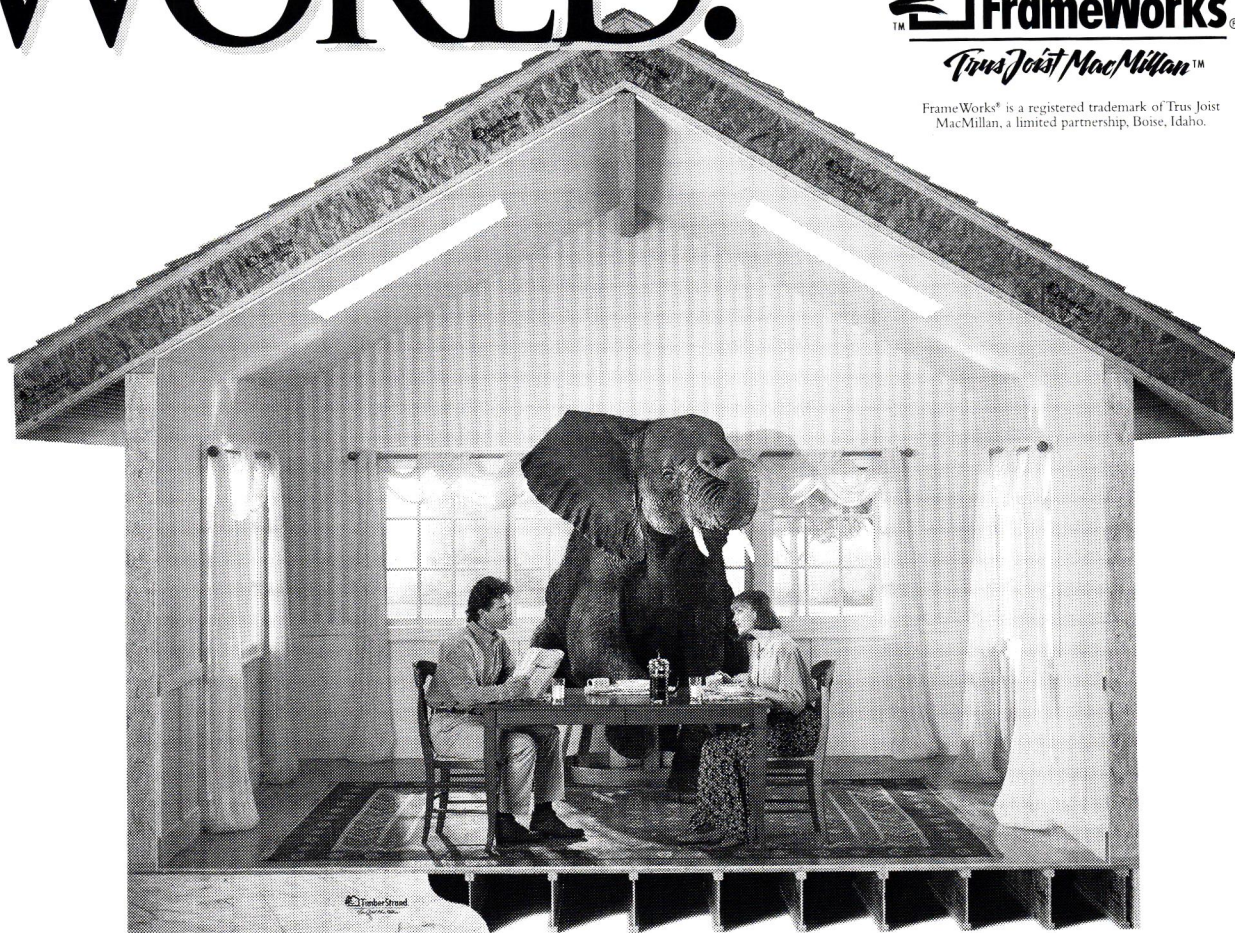
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IN THIS ISSUE ...

Hawaii Pacific Architecture focuses on the next generation of architects. Kevin Funasaki examines the aspirations of several University of Hawaii School of Architecture students and the enrollment trends of the school. He also looks at alternative careers for young architects in city government. Sam Slom and Mary Yoshimoto offer tips on starting your own design firm.

This month's cover graphically illustrates the life of architecture students.

Hawaii Pacific Architecture is the monthly journal of the AIA Hawaii State Council. Subscriptions are \$36 per year. Opinions expressed by authors do not necessarily reflect those of either the AIA Hawaii State Council or the publisher. The appearance of advertisements or new products and service information does not constitute an endorsement of the items featured.



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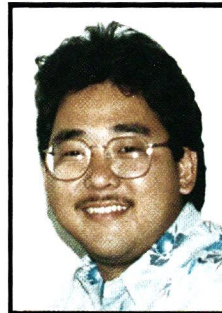
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A New Generation of Leaders.

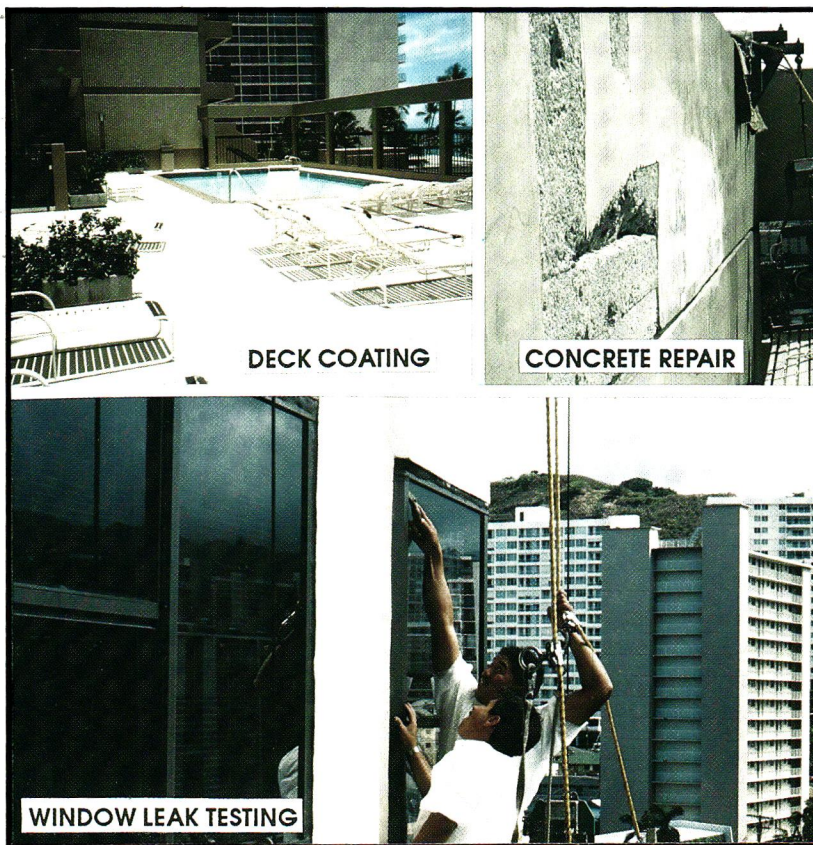


Heading a team of over 40 technicians are left to right:
Alvin Nishikawa, Ken Matusumura, John Kobayashi,
Al Gardner, Steve Kramer, and Jim Hiramatsu

Meet Alvin Nishikawa.



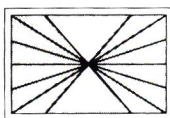
Alvin is Vice President of The American Coating Company. He is in charge of all field and estimating operations. Previously, Alvin was employed with an engineering firm in Chicago and Honolulu where he focused primarily on restoration and water infiltration problems. Alvin holds a M.S. and B.S. in Engineering from Purdue University.



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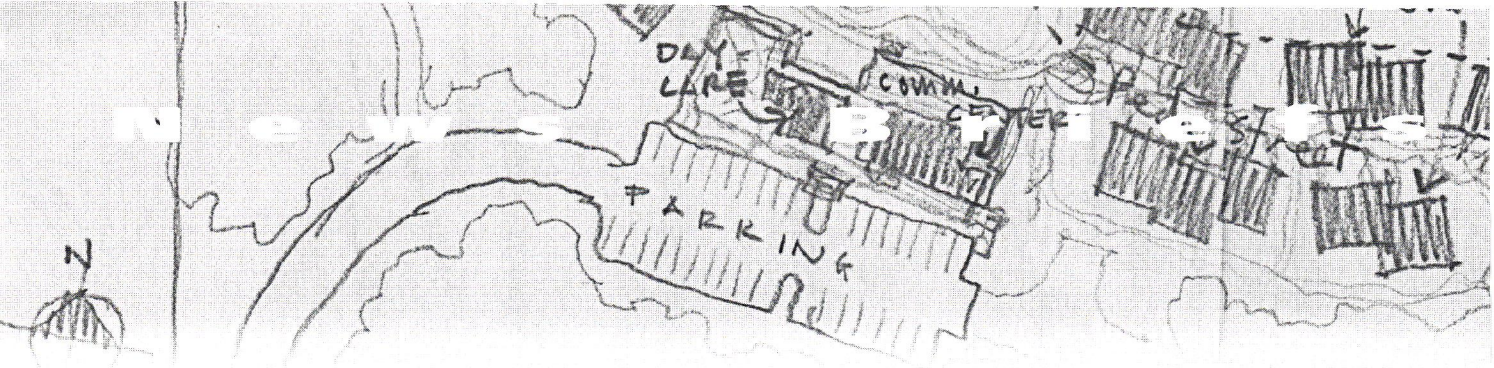
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Rugby Group Acquires Aloha State Sales

The Rugby Group, a worldwide building material manufacturer and distributor, recently announced the acquisition of Aloha State Sales Company Inc.

Aloha State Sales distributes architectural building materials such as Dupont Corian solid-surfacing material, Pionite Laminates and Marlite FRP Panels.

The Rugby Group is the parent firm of Pioneer Plastic Corporation, makers of Pionite laminates. In addition to producing general purpose and post-forming laminates, Pioneer offers many special capabilities and performance products.

Jim Sharp has been appointed general manager of Aloha State Sales.

Home Building & Remodeling Show Opens Dec. 5

A "Street of Dreams," a celebrity dog house building contest, informative seminars and cooking demonstrations are planned for the third annual BIA Home Building & Remodeling Show.

The show, presented by the Building Industry Association of Hawaii and First Hawaiian Bank, will be held Dec. 5-8 at the Neal Blaisdell Exhibition Hall. Hours will be 5 to 9:30 p.m. Thursday and Friday, 10 a.m. to 9:30 p.m. Saturday and 10 a.m. to 4 p.m. Sunday.

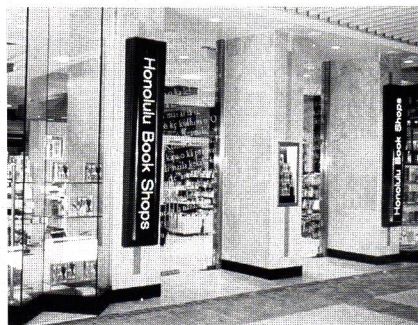
Show Chairman James Zweedyk, president of TKC Inc., said the show will feature nearly 300 booths showcasing the latest trends and technology in appliances, fixtures, products and services geared to today's consumer.

Admission is \$3 and 50-percent-off discount coupons can be picked up at any First Hawaiian Bank branch on Oahu. Four-day passes can be obtained at the Blaisdell box office for \$5.

For more information, contact Barbie Watanabe at 847-4666, Ext. 202.

AM Partners Wins National Design Award

The National Commercial Builder's Council of the National Association of Home Builders recently named AM Partners Inc. a winner of the Best Retail Project category in its 1996 Awards of Excellence competition.



Honolulu Book Shops, designed by AM Partners Inc., was honored with an award from the National Commercial Builder's Council.

AM Partners, one of Hawaii's largest architectural design firms, was recognized for its work in designing the Sultan Company's H.F. Wichman Jewelry Store and the Honolulu Book Shops.

Both were judged for their originality of design, use of materials and practical approach to the use of interior space. Judging was conducted by a panel of builders, architects and developers, who reviewed more than 4,000 entries.

UH Arena Wins 1996 National Design-Build Award

Charles Pankow Builders Ltd. received the 1996 "National Design-Build Award — Best Public Sector Design-Build Project" for the University of Hawaii Special Events Arena. The award was presented Oct. 11 at the

1996 Professional Design-Build Conference in Washington D.C. by the Design-Build Institute of America

Pankow's use of "Tilt-Up" technology for on-site precast bents instead of poured-in-place members helped win the right to build this arena and led to its award. The arena was the state's first Design-Build contract award.

The first floor contains a full catering kitchen, an 8,000-square-foot weight facility, 16,000 square feet of classrooms, five locker rooms, a training suite, laundry facilities, staff offices and serves as the main entrance to the arena floor. The concourse level, 17 feet above the first floor, has ticket offices, administration offices, toilets, concession stands and serves as the main corridor for the 16 vomitories leading to the arena seating area.

The architect of record is the Atlanta-based firm of Heery Architects & Engineers Inc., in association with local firm Kauahikaua and Chun.

BIA's Installation Banquet Scheduled for Dec. 12

The Building Industry Association of Hawaii will hold its annual banquet and installation of new officers and directors Dec. 12 at the Hilton Hawaiian Village's Tapa Ballroom. The theme of the BIA's 42nd annual installation banquet will be "United, We Build a Stronger Voice."

A no-host cocktail party will begin at 5:30 p.m. Dinner will be served at 6 p.m. All interested persons are welcome to attend. The cost is \$50 per person.

Edmund C. Aczon, Aczon Construction, will be installed as BIA's 42nd president. The installation will be conducted by National Association of Home Builders' President Randy Smith, who will also be the featured speaker.

For information contact the BIA at 847-4666, Ext. 204.

TRB Architects Relocating to the Western Pacific

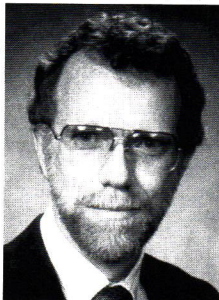
Cliff Terry closed the Hawaii office of his 14-year-old architectural practice, TRB Architects Ltd., in November.

Terry, a former resident of Guam, will open a new office in Saipan by the end of this year, and another office in Palau in 1997.

"Over the past five years, our firm has become increasingly involved in work in the western Pacific," Terry said.

"The explosive growth in these areas of the Pacific convinced me to move closer to the action."

Clients in Hawaii will be served through affiliations with other architectural practices in Hawaii, including Ferraro Choi & Associates, Terry said. He added that most of his employees have found new positions.



Cliff Terry

PSIC releases solar energy software

The Passive Solar Industries Council recently announced the release of "Designing Low Energy Buildings: Passive Solar Strategies & Energy-10 Software," a new design tool that combines passive solar strategies and day lighting with efficient envelope and heating, ventilating and air-conditioning design.

The package was developed by PSIC, the National Renewable Energy Laboratory, Lawrence Berkeley Laboratory and Berkeley Solar Group, with support from the U.S. Department of Energy.

Designing Low-Energy Buildings offers architects a unique combination of speed, flexibility, design guidance and powerful simulation that simplifies the process of designing environmentally sensitive commercial, institutional and residential buildings.

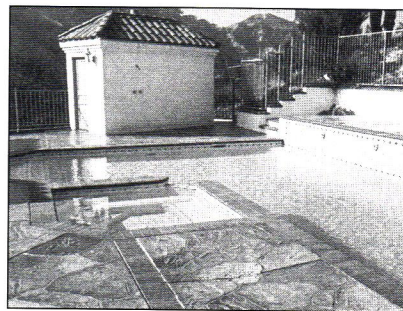
"Designing Low-Energy Buildings" is the focus of a current American Institute of Architects continuing education-approved, two-day workshop series.

For additional information about PSIC, Designing Low-Energy Buildings or workshops, call (202) 628-7400 or visit PSIC's home page at www.psic.org.

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Children of architects share
their aspirations

The Next Generation

by Kevin Funasaki, AIA

he decision to become an architect may vary like the colors from a prismacolor market set or the number of filing layers on a CAD file.

Needless to say, some of the decisions to become an architect are intriguing and may yield some insight.

What are the expectations, rewards and the motivating factors that would guide architects through such a rigorous educational program and the years of internship in pursuit of the professional license and eventual practice? These questions were posed to several University of Hawaii School of Architecture students whose parents are also architects. Their responses vary, however, their exposure to the profession at a young age may shed some light on educating our children of the value of design ... good design, to our society and the built environment.

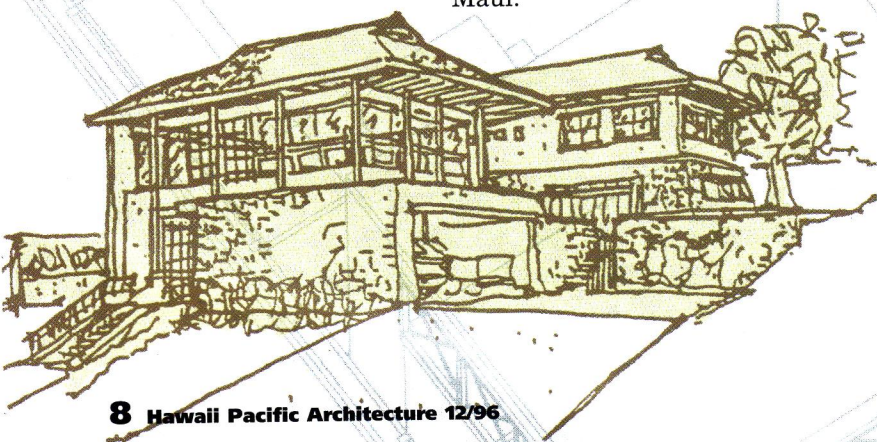
The students interviewed included Nelson Kajioka, Misa Okada, Nathan Smith, Erin Umemoto and Nick Ybl V, all of whom are just completing their finals and the relief of taking yet another swing at the immense learning curve the profession has to offer, and Cheryl Gima, a recent graduate who is assisting her father with their practice on Maui.



Even with several generations of architectural practice and business here in Hawaii, Ybl's motivating factor to pursue architecture as a career was "... my love for art and the desire to create." Besides his father Nick Ybl IV, as a mentor, Nick's instructor Amy Anderson is another mentor. "I say this because so far in her course she has given everyone a creative freedom dealing with the three-dimensional aspect of design. This freedom has shown a wonderful potential not only in creativity, but also in artistic expression." Mentors are very influential individuals whose direction and insight can play a very important role in the success and achievement of a career or any other pursuit one may have.

Gima was fortunate to have the assistance and advice of many professors. In particular, as a faculty advisor, Dean Raymond Yeh "During the last semester before graduation, Yeh provided me with the guidance in the completion of my final project (ARCH 402). He broadened my horizons by introducing me to the looser styles of different architects (Bruce Goff, Bart Prince), while encouraging the understanding of the organic forms of Frank Lloyd Wright." On a personal note, her dad, Stanley Gima, has proved to be a lifelong mentor. "My dad gave me advice and shared with me the outlook on the architectural profession."

Most of the students were exposed to the profession at a young age by "tagging-along."



Kajioka, son of Allen Kajioka, shared, "My father would take me to the office on Saturdays to babysit me. While he was doing his work, I would run around the office and play with the 'toys' (triangles, pens, eraser guns, etc.) whether or not that had an impact on me is yet to be determined; however, I am uncanny with the eraser gun ... nobody can out draw me. Ha!"

The influence of parents on a child's education is very important but the idea of having your parents "force" you to choose a particular career may have an underlining psychological affect of having the child rebel against it instead. All of the students have been exposed to the profession possibly to spark an interest or to simply provide some company on Saturday mornings at the office. Nevertheless, even for Okada, daughter of Michael Okada, while growing up ... "there was never any emphasis or encouragement that would have lead me to this profession. Even after I made my decision to go into architecture, my choice was never really emphasized. It helped that it was like this because it put a lot less pressure on me."

Architecture takes a lot of hard work, dedication and time, but it also should be a fun and enjoyable learning experience. Student life is filled with many fond memories like making plaster sculptures for the three-dimensional figure ground assignment. Ybl's chosen project was to make a mess using plaster powder not only on his assignment but throughout the studio area and on other students. "It was fun but it took a week to clean up the mess with the help of the not-so-pleased custodial staff," Ybl said.

Kajioka's most memorable experience to date was staying up 24 hours and seeing the sun come up on the day the project was due. It takes a lot of time and en-

"...all of the roadblocks, risks and uncertainties can produce severe frustration and disillusionment, perhaps the greatest overall risk in becoming an architect. When architects have met the demands of professional preparation, paid their proverbial dues, mustered their talents and then found their aspirations and ideals compromised, or their ideas rejected, disillusionment may be inevitable."

Roger Lewis
"Architect? A Candid Guide to the Profession"

ergy but the rewards and the feeling of accomplishment is immeasurable, he said.

Whether you are "soul-searching" or would want to do something positive for the community, architecture encompasses such a broad range of interests including art, science, math, psychology, to name a few. Gima found that architecture was one field that combined all of them in a very intriguing and challenging way.

While the hopes and uncertainties for a stabilized and prosperous job market upon graduation haunt the students, all of them would recommend the profession to others. The school provides hours upon days upon weeks of work and "pretty much a devotion of your life to your studio and homework," Ybl said echoing the others. Kajioka said, "If I see someone who has a genuine interest in the field and would work hard for it, then I would definitely support and encourage that person to do so."

The challenges are imminent, however, as Gima expressed "... for me, it brought more clarity to my true desires to succeed in obtaining my licensure as well as in this new venture with my dad; I'd have to caution them (students) the same way my dad once did to me, architectural schooling is indeed a challenge, with all-nighters, heavy competition and lots of stress. But it can be fun, if you want it to be."

The architects of the future may well be more intuned with the environment and have access to an increase in technology; however, there will always be a need to improve our way of life. As Andrew Matthews writes in his book "Being Happy," "We must cherish our imagination; our ability to dream; for the highest achievers since history began, have been the dreamers who, combined their perspiration and their aspiration to make their own unique contribution."

Architecture students are among the best

A Bright Future

by Gordon Tyau, AIA



Creative architecture students take pumpkin-carving to new levels.



Above, the annual sand castle-building competition allows students and professionals the opportunity to get some sun while letting their imaginations run wild. Below, students work feverishly on their projects.

The School of Architecture at the University of Hawaii at Manoa has always been fortunate in attracting the best and brightest students in the Hawaii, whether they have just graduated from high school, are transferring in from a community college, or are already a student on campus and changing their major to architecture. This 1996-97 academic year is no different.

In the fall 1996 semester, 59 new students (from 126 applications) enrolled. Fifty percent came directly from public and private Hawaii high schools, up 1 percent from 1995. Fifty-six percent of these high school students came from private schools (Hawaii Baptist, Damien, Punahou,



Maryknoll, Kamehameha, Iolani, and Mid Pacific) while 44 percent came from public high schools (Aiea, Mililani, McKinley, Moanalua, Maui, Campbell, Baldwin, Kaiser and Konawaena). Twenty-three percent transferred from community colleges, up 2 percent from 1995, and 27 percent already students at the UH Manoa changed their major to architecture, down 3 percent from 1995.

The average age of the student is 22. Sixty-four percent are male, and 36 percent female. Ninety-four percent of the students are Hawaii residents, up 1 percent from last year.

This year, the average SAT score (combined math and verbal) for incoming high school graduates was 1,156. Last year's 1995-96 SAT average at the university was 984 for freshmen, with the national average at 970. Entering students into the architecture program from high school consistently rank among the highest in SAT scores in the university.

Last year, in the spring of 1995, the School of Architecture graduated the first Regent Scholar, Christine Shimabukuro, and three months later, in the fall the school welcomed two more, Lindsay Nishii and Edwin Lee. Each year, only 20 Regents Scholarship for Academic Excellence are awarded to entering freshmen who have a combined SAT score of at least 1,200, a high school GPA of 3.5 or better and are residents of Hawaii.

The quality of students coming into architecture is among the highest at the University of Hawaii at Manoa, and perhaps even beyond. It is an indication of what lies ahead for the community and profession. Architecture will be in good hands.



Come, Join Us!

by K. Nichols Butterbaugh

The University of Hawaii School of Architecture Alumni Association began with 10 people sitting around a conference room agreeing that it was time that graduates give something back to the school.

Since its inception in 1991, the association has continued to mature. The titles and duties of the executive committee were developed, elections were held, a board of directors was established and a mission for the association was defined. After three years of filing forms and submitting applications, the association recently obtained nonprofit status.

Wanting to materially support the school, the association established a scholarship fund. The UH-SAAA sponsors fund-raising events, such as the annual golf tournament, to provide at least \$5,000 a year for the fund. This scholarship will be used to provide incentive for students to attend the University of Hawaii School of Architecture.

Since all profits from fund-raising events go to the scholarship fund, operating expenses must come from membership dues. That is where you come in. You are invited to become active in the association. But you say, "I don't have the time to help organize an event; I don't want to get involved in a phone tree; I hate to lick stamps to put on flyers; or my spouse won't let me go to a meeting once a month."

No problem. By contacting the UH School of Architecture, you can make it easier for others. In return, you get the UHSAAA newsletter free, personal announcements of UHSAAA events, priority in signing up for limited attendance activities (such as site visits) and reduced rates on selected UHSAAA social events.

♦♦ K. Nichols Butterbaugh is president of the UH School of Architecture Alumni Association.



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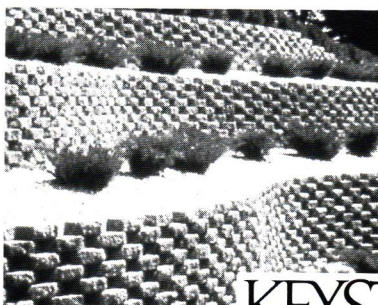
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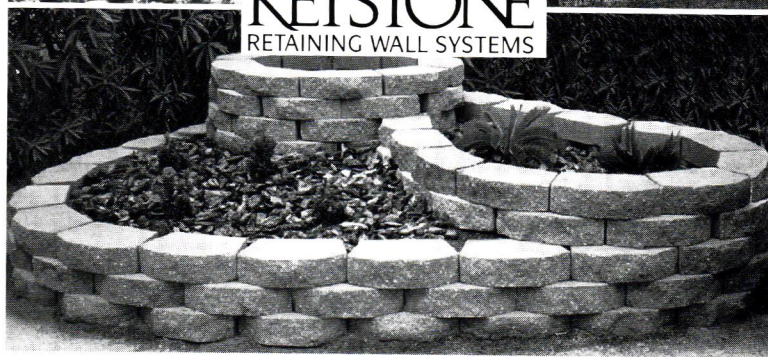
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Design professionals share their road to success

Architects in the City

by Kevin Funasaki, AIA

While becoming an architect may not be for everyone, the design profession offers work in related fields such as urban planning, landscape architecture, construction contracting and real estate development. For those who would want to become architects, work is not only available in the private sector through individual architectural firms, but also in government.

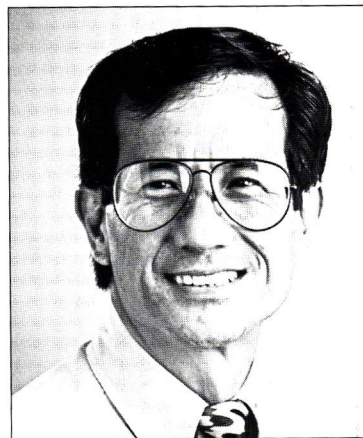
Looking then at the government agency, the city has employed several individuals whose tasks are much more demanding and larger in scale than most people would perceive. Their insights on education, on the profession and the future have been explored to possibly help direct others in their pursuit toward an architecture career.

As a deputy managing director for the City & County of Honolulu, Benjamin B. Lee, AIA, has almost 30 years of experience in the architectural profession and more than half of those years with positions in city government. An alumnus of Arizona State University, Lee has developed an appreciation for city planning, "our sense of place," and the synergy of all those involved to improve the quality of our lives.

As an eager and aspiring young architect, Lee's first architectural position was with Vladimir Ossipoff & Associates. A gentlemen's gentleman, Ossipoff was an extremely patient teacher and an excellent architect, Lee said. Ossipoff taught unselfishly everything he knew about architecture including

Benjamin B. Lee, AIA

*"All the citizens of
the city are your
clients ... you are
serving the public
needs."*



the conscious attention to detail. All of this played an important role in forming a young career yet to unfold.

For those aspiring to be architects, Lee believes that they should have the desire and some intuition as to the contribution or some influence of how the city would look like at a more macro scale, rather than as simply one building. The entire city must be viewed in context, all things relative to each other.

"If the projects are done by good architects, we will then live in a wonderfully rich city in terms of design. Buildings alone, do not make a city ... there needs to be cultural activities, places and spaces that work for people and determines the heartbeat of the city," Lee explained. "All the citizens of the city are your clients ... you are serving the public needs."

"We're in a profession that touches people's lives in terms of manifesting good design through landscaping, open spaces, plazas and buildings ... the essence of effective city planning. Advancements in computer technology have brought more flexibility, to see things faster, three-dimensionally and as an effective design tool.

Although working in private practice is more focused; while working in government,

you tend to see more projects and touch more projects. "One of the most fulfilling and challenging aspects of working in government ... is to look at projects and to determine what is the very best we could do in providing a public facility or public park for the enjoyment of the people," Lee said.

Patrick T. Onishi, AIA, director of the Department of Land Utilization, first started his architectural education with the completion of the two-year pre-architecture program at the University of Hawaii and continued his education with a five-year bachelors of architecture degree from the University of Colorado. He said he was very fortunate to have worked in several architectural offices that helped his learning experience and growth. "Being fresh out of school, they understood that architecture is a life-long commitment and there is so much to learn," Onishi said.

To those considering an architecture career, Onishi's recommendation "is to really know that there is an expression in all of us, the work is to try and develop the skills and the confidence." This profession offers tremendous opportunities where you can participate in improving our environment, the way people live and to our society, Onishi said.

"The end goal is to create beauty and to strive for something better than what we have seen." The people you get to work with, the people you get to meet, opportunities for travel, enriching the lives of others are all intrinsic values of being an architect, he said.

"The motivation should not be financial, although the financial rewards should come in naturally; and consequently because there were no expectations there were no disappointments."

Patrick T. Onishi, AIA

"The end goal is to create beauty and to strive for something better than what we have seen."



There were many changes over Onishi's 28 years in the design profession. One of the interesting developments "is the community, in general, seems more sensitive to good design. Whereas before only a small segment of the community had the benefit of utilizing design services; now, people expect good design whether it is for themselves or for the community. This has raised the need for architects to be better and more sensitive designers," Onishi said.

Comparing work in the private sector to that in government, Onishi said, "We are freer to embrace changes at will and to be somewhat experimental. On the other hand, working for the government there is a need to have greater community sensitivities. Oftentimes our decisions may have to

embrace the larger community rather than a segment of the community," he added.

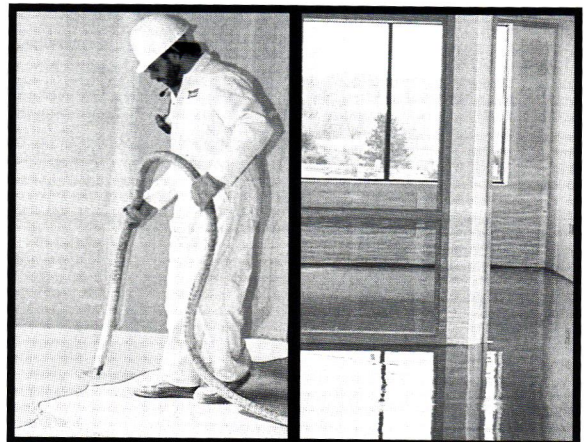
Randall K. Fujiki, AIA, director and building superintendent, also attended the University of Hawaii pre-architecture program and then graduated from the University of Washington with a bachelor's degree in environmental design and a masters of architecture. Following that, he furthered his education at the City College of New York with a masters of urban design and urban

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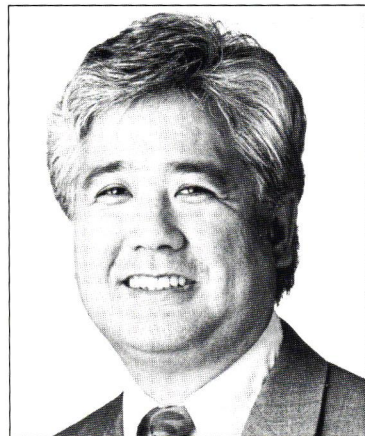
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Randall K. Fujiki, AIA

“Today, the city is seeking a lot more accountability from architects ...”

planning.

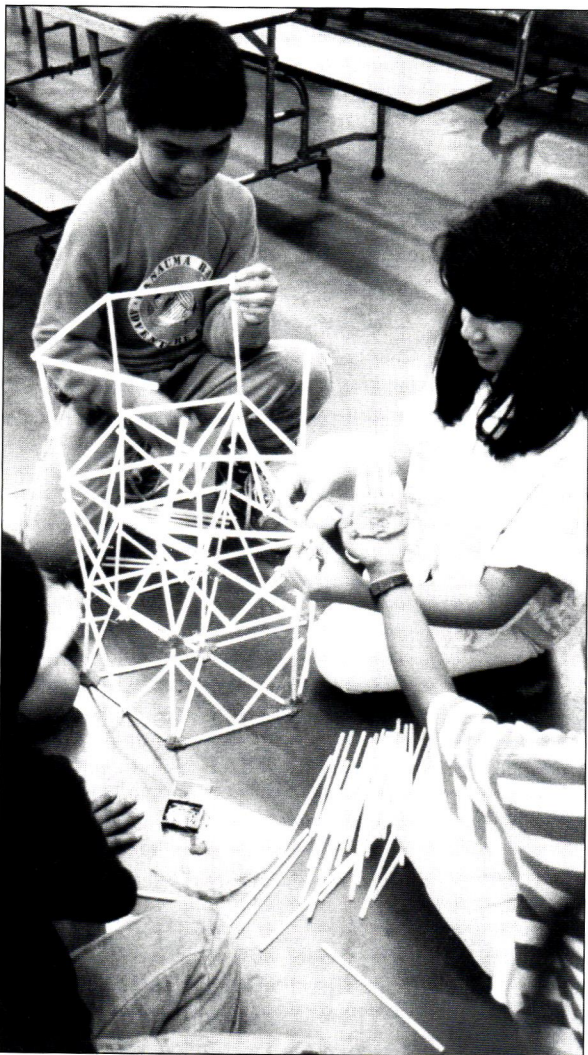
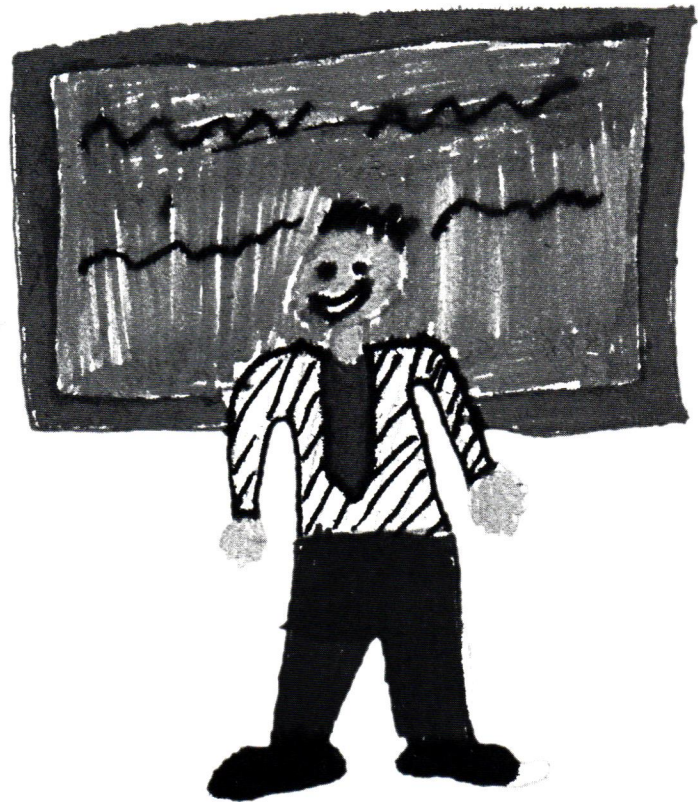
“Architecture is like an apprentice profession, where you learn as you go. To some extent, while going through school nearly 25 years ago, the profession has changed from having the belief that an architect should be able to do everything. The profession today is so broad, the sophistication of buildings is much different now that you are able to specialize and you don't necessarily need a well-rounded background to do well ... especially while working at larger firms and on larger projects.”

In his position, Fujiki is faced with challenges that affect a lot of people's lives — architects and engineers, and clients that come into the Building Department. “The focus is to help people comply with the codes and regulations through encouraging a greater value of service and apply some simple common sense to higher standards of design for the city equal to a private corporation ... asking for the best designs. Today, the city is seeking a lot more accountability from architects to challenge them to create more successful projects.”

Public Education Committee does its part
for education

Teach the Children

by Kevin Funasaki, AIA



Elementary students use straws to construct a structure as part of a Architects-in-Schools project.

The design profession, especially architecture, can offer students, from a very young age, the ability to look at things differently. It is this insight that can complement the activities taught in school to encourage learning by understanding and not merely memorizing.

The Honolulu Chapter/American Institute of Architects' Public Education Committee has spearheaded the effort of establishing a program titled "Architects-in-Schools." This program is focused on both public and private schools, grades kindergarten through 12 and has garnered great support from the state administration. Aside from the AIS program, the education committee has been involved in numerous career and job fairs at various high schools including Campbell, Castle, Farrington, Kailua, Moanalua and Waialua.

The PEC has also become involved with the Boy Scouts of America-Aloha Council with their Explorer's Program, an educational program for young men and women ages 14 to 21 in cooperation with local businesses concerned about helping students succeed in their chosen careers. It's an opportunity for students to gain practical experience in the work place working one-on-one with a professional.

The PEC programs, with the support of the Department of Education and the UH School of Architecture, lend a great deal of professionalism and credibility to the AIA. The continuance of these programs will depend on the involvement of interested individuals. PEC has a small, core committee and is in need of more members to participate in the various projects.

The projects are fun and rewarding while educating the public about the built environment and the value of architecture.

♦ Kevin Funasaki, AIA, is chairman of the Honolulu Chapter/AIA Public Education Committee.

Project Profile:

HAWAII CONVENTION CENTER

A design team from Wimberly Allison Tong & Goo hopes the Hawaii Convention Center will evoke images, memories and emotions in Hawaii's visitors, instill pride in Hawaii residents and demonstrate the aloha spirit, according to Eugene Watanabe, WAT&G project architect.

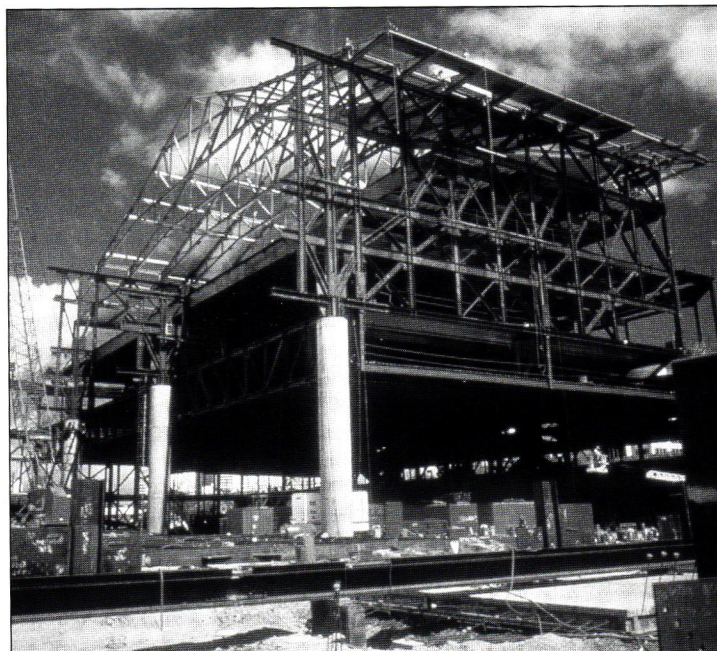
In order to construct such a building, structural engineer, Seattle-based Skilling Ward Magnusson Barkshire Inc., selected steel. Construction on the 1,106,671-square-foot building began in August 1995.

The convention center will have four publicly accessible floors. Each level will have a defined function — first floor, exhibition; second floor, parking; third floor, meeting rooms; and fourth floor, ballroom.

The structure will include 200,074 square feet for exhibit halls, 107,426 square feet for meeting rooms, 12,900 square feet for administrative offices and 245,276 square feet for support service areas.

There will also be a 35,990-square-foot ballroom, 240,653-square-foot lobby/prefunction (including 105,000 square feet of landscaped terrace) and a 4,352-square-foot boardroom. The 26,000-square-foot parking level will house 802 parking spaces.

A total of 12,408 tons of structural steel will be used on the convention center by the projected completion date of October 1997.



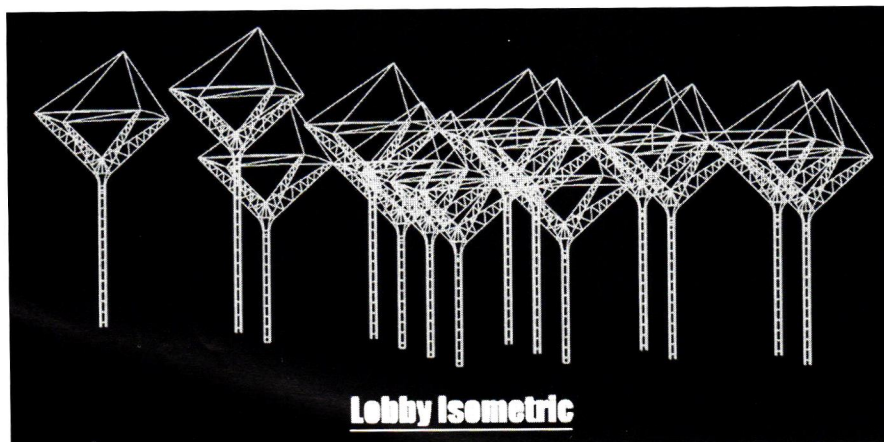
The steel framework, which is an integral part of the convention center design, previews the enormity of the facility.

There are several reasons Skilling Ward Magnusson Barkshire selected steel for the structural system of the Hawaii Convention Center, said Brian McIntyre, the company's vice president.

One reason was the need for a creative structural scheme to fulfill the design-build team's desire to locate the exhibition hall on-grade and provide the least height structure. The unique structural scheme developed for the project provides the absolute minimum building height.

The design includes a new orthogonal space-capturing truss system, or "super truss," which incorporates the floor use into the truss depth. This creates spaces in an area that would otherwise be unusable.

This truss system actually contains the parking and meeting room levels. The meeting rooms are accommodated within 23-foot-deep trusses, while the parking level is accommodated within 12-foot-deep trusses. The long-span capabilities and flexibility of



Lobby Isometric

STEEL STYLES

a steel-truss system allowed this design, permitting designers to reduce the convention center height by more than 40 feet.

Typically, trusses 90 feet on center in the meeting room level support trusses running perpendicular at 55 feet on center in the parking level. The 90-degree rotation of the truss framing allows the ideal structural module for each functional space. This results in up to 90-feet-by-117 1/2-feet of column-free space on the exhibition level. There is a 55-foot continuous-clear width on the parking level, allowing for column-free parking. On the meeting room level, there is 90-feet-by-330-feet of column-free space.

Wind and seismic-lateral forces are resisted by steel-braced frames typically located along the perimeter of the exhibit hall. The steel-braced frames allow open-

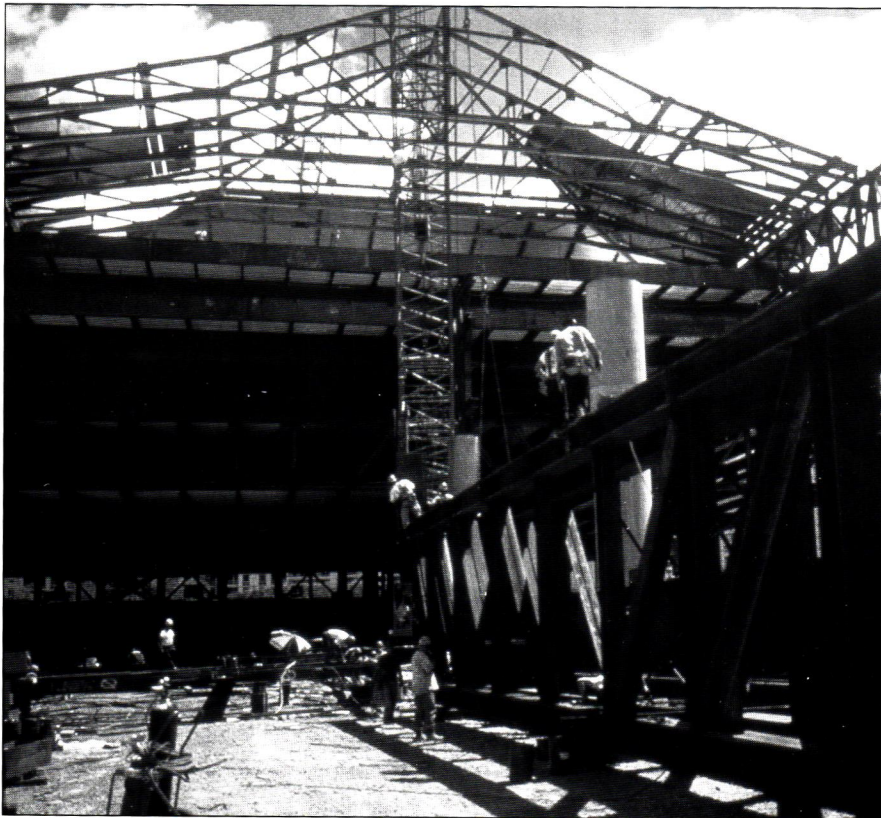
ings in the bracing bays where doorways or drive aisles were required.

Steel provided the structure of the least weight, minimizing the number of precast piles that had to be driven up to 190-feet deep.

Steel was also selected to create the unique lobby steel palm trees. The 14 trees are all architecturally exposed, painted steel and will be enclosed with skylights, glass walls and fabric sails, providing a one-of-a-kind Hawaiian sense of place.

According to Watanabe, another benefit of steel is the speed at which the structure was erected. "I think the main benefit of using steel is the speed at which you can erect the structure," he said. "The steel structure went up in about a year."

The Hawaii Convention Center is scheduled to open in July 1998.



When complete the convention center will have used 12,408 tons of structural steel.

Photos by Bill Hagstotz

HAWAII CONVENTION CENTER

Credits:

Design/Builder

Nordic/PCL, A Joint Venture
Honolulu

Developer

The State of Hawaii
Convention Center Authority
1833 Kalakaua Ave., Ste. 800
Honolulu, HI 96815

Architects

Wimberly Allison Tong & Goo
Honolulu
Loschky Marquardt & Nesholm
Seattle

Structural Engineer

Skilling Ward Magnusson
Barkshire Inc., Seattle

Structural Steel

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Starting your small design firm

Out on Your Own

by Sam Slom

Not everyone should go into business! It's tough and demanding — physically, mentally and financially. He or she must be prepared, committed and have the right resources and knowledge before actually beginning.

Others can help you, but it is your business!

One must start by evaluating honestly and objectively your personal ability and experience for what you want to do. A business plan is also a must!

Research your intended service or product and the type of market to be effective in your

business decision. Carefully check existing competition, costs, government or other regulations, restrictions and limitations, and capital availability.

Assistance is available from organizations, consulting firms, educational institutions, libraries (public and private) and through various annual publications including *All About Business in Hawaii*, *Hawaii Business Directory*, *The Hawaii Book of Lists* and the *State Data Book*; monthly publications, *Hawaii Business* magazine and *Island Business Magazine*, and the weekly, *Pacific Business News*.

The following organizations will also help at no cost:

- Business Action Center, the one-stop permit center which provides tax forms, business registration and regulation information.
- Business Information & Counseling Center, which provide general business assistance.
- Oahu Small Business Development Center
- U.S. Small Business Administration, which provides assistance, procurement and loan information as well as booklets and counseling.
- Minority Business Development Center (federally funded through Grant Thornton Co.)
- Small Business Hawaii, a private, non-profit, membership organization where owners assist owners.

These are just a few selected hints to help the design professional, or anyone interested in starting their own business.

In these difficult times, running your business is not enough. The goal is success, not just for survival, for all business.

♦♦ Sam Slom is president/executive director of Small Business Hawaii.

Business checklist

- ✓ **Taxes.** State general excise tax business license is required for any kind of business. A 4 percent gross income (not sales) tax is payable on all transactions.
- ✓ **Corporation or legal partnership.** You must file appropriate legal organizational forms and reports at the Business Registration Division of the state Department of Consumer Affairs. Sole Proprietorships need not register the business or name, but must have GET license.
- ✓ **Business name registration.** Registration is required for partnership or corporation and voluntary for sole proprietorship but it is a good idea for identity and protection.
- ✓ **Hiring employees.** The following must be considered compensation, taxes, worker's compensation, unemployment compensation, temporary disability insurance, medical benefits, new employee identification number and federal employer identification number.
- ✓ **Insurance.** The state insurance commissioner can be contacted for rate information, worker's compensation, liability and other insurance requirements

Insurance for Small Firms

by Mary Yoshimoto, CIC, CPIW

It will come as no surprise to most design professionals that the liability crisis has not only intensified, it has reached epic proportions. During the last decade, tort litigation costs increased threefold.

The tort liability system in this country is not merely out of control; it has broken down. Instead of providing rational compensation to victims, the system often compels defendants who may be scarcely liable — sometimes completely blameless — to pay substantial settlements to avoid the costs of further litigation and potential judgments against them. While there has been some response in the shape of tort reform agendas in the medical community, there has been little encouraging news for the construction industry.

More than ever, design professionals need a strategy for dealing with the liability crisis; a strategy that serves one important goal — avoid litigation.

When disputes do occur, they can often be resolved without costly litigation and without destroying business relationships. Specialized, knowledgeable insurance agents can serve as valuable business partners to the clients.

DPIC Companies, a trade group of companies serving the United States and Canada, has developed innovative professional liability insurance programs, including claims and loss prevention services, for architects, engineers, environmental consultants, accountants and attorneys.

DPIC has developed an easier way for small firms to receive all the benefits of being a DPIC policyholder with FA/ST (Fast Application/Smart Technology). Subject to a short qualification checklist, it is available to design professionals with fees of \$300,000 or less.

All the benefits of the DPIC reg-

ular program are available under the Small Firm Program.

Many one-man design professional firms work from home. This can pose an insurance problem because many insurance companies will not cover home offices. The homeowner's policy provides very limited insurance for business equipment.

However, unique office package policies for design professionals that are reasonably priced are

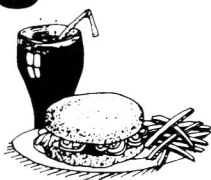
available. They require a separate office area within the home and maintenance of a professional liability policy.

The insurance picture for small firms has improved with policies appropriately priced and the process made very simple.

Insurance is now readily available for small and/or start-up firms because the insurance industry recognizes that this is a fast-growing segment of the design community.

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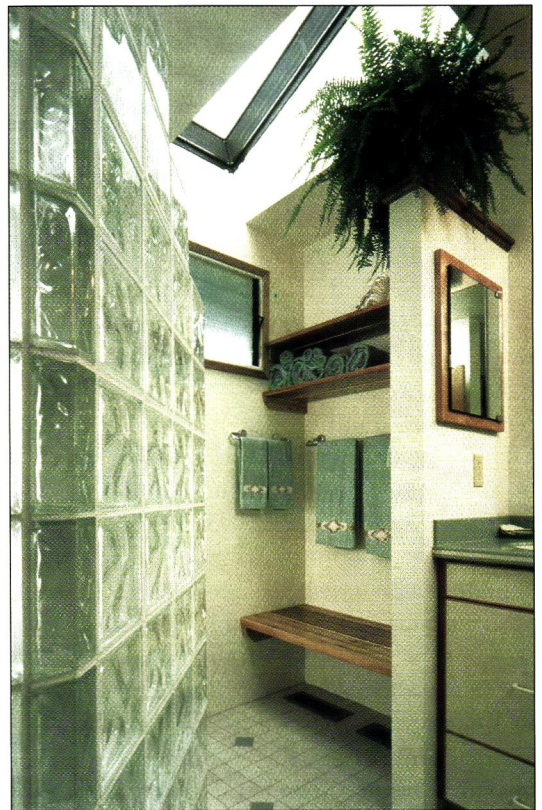
by Virginia Macdonald, AIA

Situation: The Fordham bathroom in Paradise Park, Hawaii, met the Model Energy Code. It had two operable windows for natural ventilation.

Problem: Along with the fresh air that came in the windows, came fine cinders from the cinder road 20 feet away. There was also rust and mildew, not to mention an inconvenient arrangement and lack of storage.

Solution: The Hawaii Model Energy Code has an exemption in the prescriptive requirements for natural ventilation. "If the same results can be attained by innovative design the prescriptive requirements do not have to be followed."

A louvered skylight was installed. Air in the bathroom was warmed by the sun. As the air warmed it absorbed moisture. As the air under the skylight became hotter than the air outside it began to move out, taking the humidity with it. Replacement air is drawn in through floor vents. This air from under the building is cooled by the shaded ground and provides air that is



The beauty of the bathroom is matched by its innovative use of natural ventilation.

cooler than air coming in the windows would be. In addition, the fine cinders from passing cars, are not able to come up through the screened floor vents.

Result: The bathroom is still naturally ventilated, but out the roof and in the floor. Windows are kept closed.

The project received the Governor's Energy Conservation Award in November 1993.

New Products

Lock-Deck® offers strength, versatility

Rinell Wood Systems Inc. was recently appointed the product representative for Lock-Deck® Laminated Decking in Hawaii.

Lock-Deck® is the original structural, glue-laminated, decking material that combines appearance with high-strength and dimensional stability. Lock-Deck® Laminated Decking is available in supreme, decorative and service grades, in a variety of species, textures, sizes and patterns.

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aphragm shear, resulting in strong yet flexible joints that can absorb the shock-wave energy from dynamic loads such as high winds and earthquakes. It is the only decking product tested for this application as described in ICBO evaluation report No. 1379.

Carrier introduces new duct-free systems

Carrier Hawaii recently introduced a new generation of versatile, high-wall, duct-free systems.

Carrier's high-wall systems install quickly and easily, requiring only a 3-inch hole for refrigerant and condensate lines, with flexible

refrigerant connections on all units to allow easy piping from different directions. All interconnecting, power and control wiring and the remote controller are prepackaged with each fan coil unit.

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New Products

9,000 to 24,000 BTU capacities. Compact design and small footprint allow installation virtually anywhere to provide efficient cooling of buildings or rooms where ducts are not feasible or desirable.

'Smart Source' added to Wilsonart product line

Wilsonart introduces the "Smart Source," a new concept in marketing, that includes solid surfacing veneer.

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Solar Cure "Ceramic Blue" provides a faster cure, eliminating the problems of high humidity, sudden showers and damp surfaces.

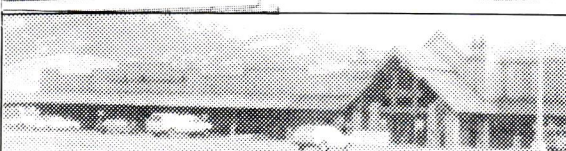
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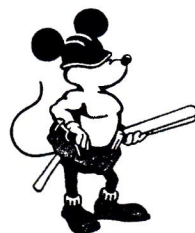


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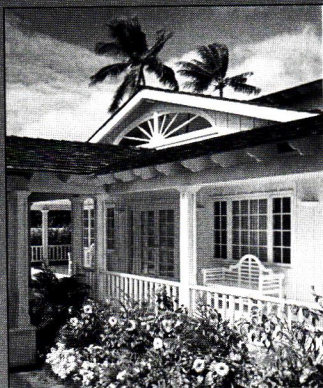
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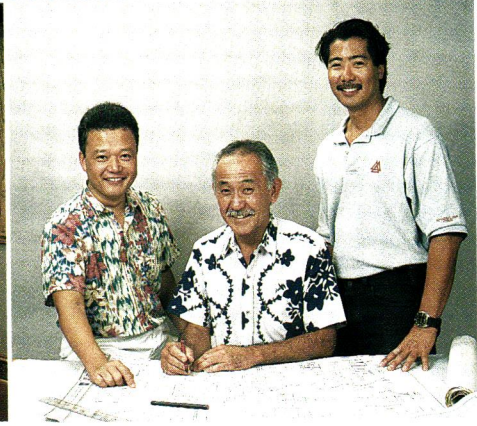
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Tampering with Tradition

In 1953, Like Like Drive Inn Restaurant opened in Honolulu as a drop-in diner that was slated to become an isle-style tradition.

Allied Builders was tapped for contracting duties in 1994 when Roy and Dora Hayashi, owners of the one acre Keeaumoku property, decided to create the two-story Like Like Plaza, enhancing the popular restaurant, adding ADA amenities, and offering new tenant opportunities.

Observes Doc Sasaki, senior designer for Architects Hawaii, Ltd.: "Renovations can be technically and emotionally tough. Without available records, there were a few surprises — even some old railroad track. Allied's people were always cooperative and efficient. The working chemistry was good."

"Keeping hospitality in place was important to us," recalls Hayashi of Like Like's remodeling. "We appreciated Allied's caring, organized approach." Adds his wife, "I looked forward to our weekly progress meetings and missed seeing everyone when we were pau."



ALLIED BUILDERS SYSTEM

Teamwork. Our motto. Our method.

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