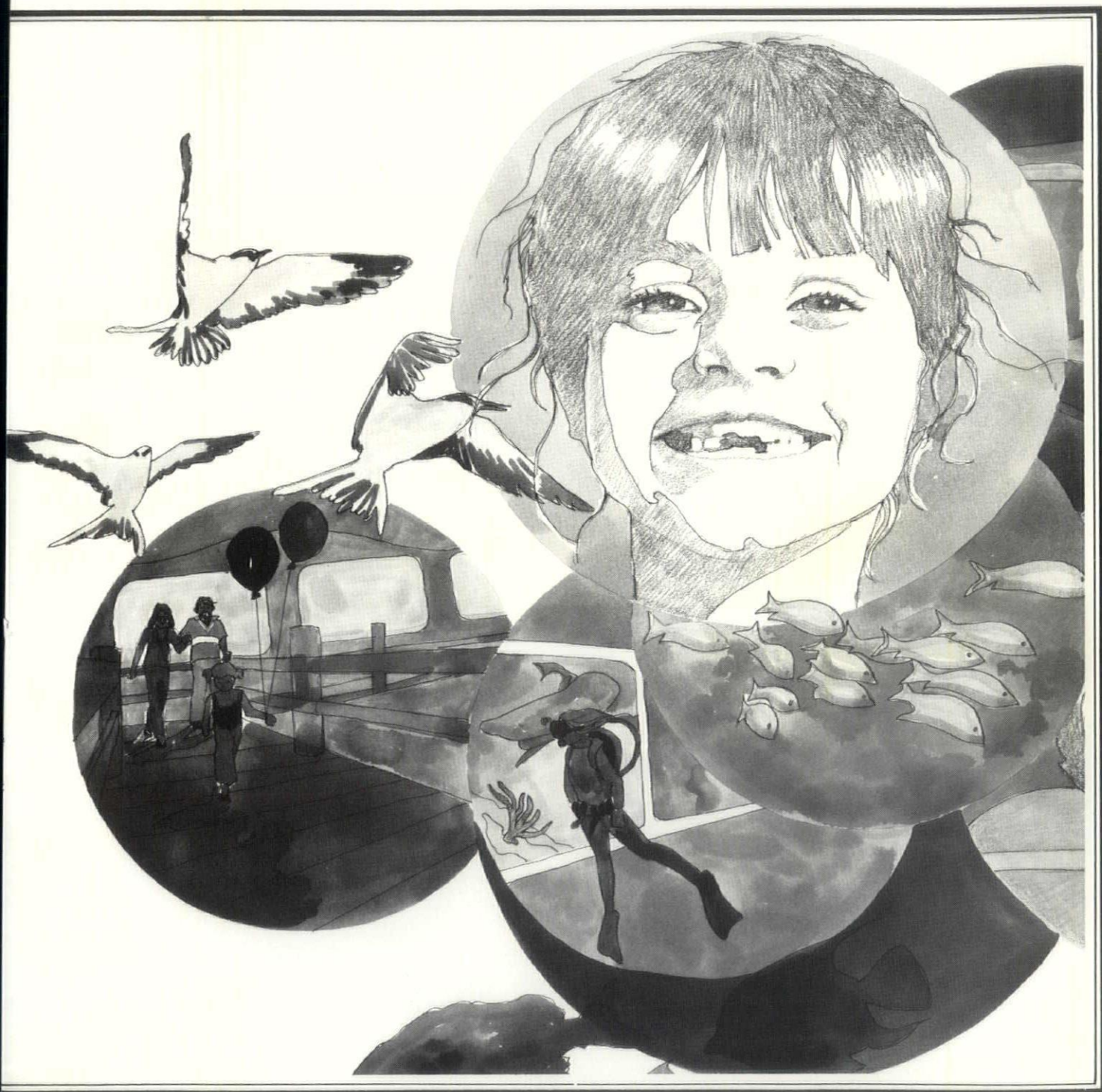


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Volume 9, Number 6

June, 1980

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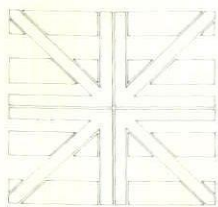
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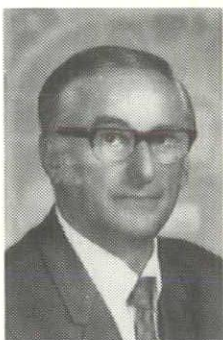
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Understanding the Architectural Barrier Standards

by JACK C. LIPMAN, AIA
President, Hawaii Society/AIA

I was pleased to be invited to participate at the "State Conference For The Handicapped" on May 3 at the Campus Center, University of Hawaii-Manoa. The all-day conference was entitled "Understanding the Architectural Barrier Standards." I was surprised and pleased to experience such a large and enthusiastic turnout for the conference as a whole, including many handicapped persons. I was equally surprised at the fine and varied exhibits which filled the multi-purpose auditorium with exhibits ranging from computer equipment for the deaf and blind to architectural hardware for the handicapped.



Jack Lipman, AIA

Fellow members of this panel on architectural barrier standards were Howard Shima, director, Building Department, City & County of Honolulu; Stanley Shin, deputy to Rikki Nishioka, Department of Accounting and General Services, State of Hawaii; and Stanley F.S. Wong, AIA, partner of Wong, Sueda & Associates.

We addressed a group of about 30, of which *only eight* were architects. It could easily have appeared to Robert Pittman, director of the Commission on the Handicapped that only eight architects in the city either were involved in municipal and/or public use buildings, or that only eight architects felt that they needed further exposure to the codes and detail requirements affecting the handicapped. When an opportunity such as this one-day conference is offered to us, particularly scheduled on a Saturday for the greatest possible attendance, at least representatives from 50 percent of our 200-plus firms in Honolulu should have attended.

The image of an architect, as a member of a knowledgeable profession in the planning and design of

buildings, drops in the eyes of our clients when errors by architects are constantly revealed during permit approval or during construction, showing a lack of knowledge of the codes and regulations governing the elimination of barriers for the handicapped.

This can only be rectified by "continuing education" on the part of the architect. We should not be satisfied with the UBC as being the only bible governing our design requirements. It is a must that we seek all other agencies involved to be assured that, in the case of providing for the handicapped, HEW, VA, OSHA, ANSI, and the rest do not have superseding regulations. This is *our* responsibility. It is not the responsibility of the agencies to advise us.

During the question and answer period of our seminar it was obvious that many problems still exist in designing to provide for the handicapped; many of these were questionable jurisdictional code items or those only applicable to federally funded buildings. We architects should insist that national and local legislation be developed to provide *one code* for the elimination of handicapped barriers for all states. People in wheel chairs, for instance, all require the same turning radius, the same passing widths, the same ramp slopes, etc., whether the building is located in Hawaii or New York. But it will take effort on the part of many of us to see that such legislation is effected.

Many times the final decision in the architects' planning for elimination of barrier standards for the handicapped rests with the client and reverts to cost. The architect cannot be blamed for all cases of what appear to be his lack of consideration for the handicapped. In the remodeling of existing or historic buildings, for instance, it may not be possible to meet all codes and regulations. It is essential that the architect and the client evaluate the conditions and the resulting costs, and determine what is best for the use of the handicapped within the existing limitations and the budget. The client, however, must make the final decision.

FREE LITERATURE IS AVAILABLE

Many hand-out documents were available at the Conference for the Handicapped. Of particular interest to the architectural profession were the following, all of which are now in the library of the HS/AIA office and are available to all. Additional copies may be obtained at the office of the "Commission on the Handicapped," 250 S. King Street,

Room 602. Telephone: 548-7606.

1—"Resource Guide—Architectural Barriers Removal," by the U.S. Dept. of Health, Education & Welfare.

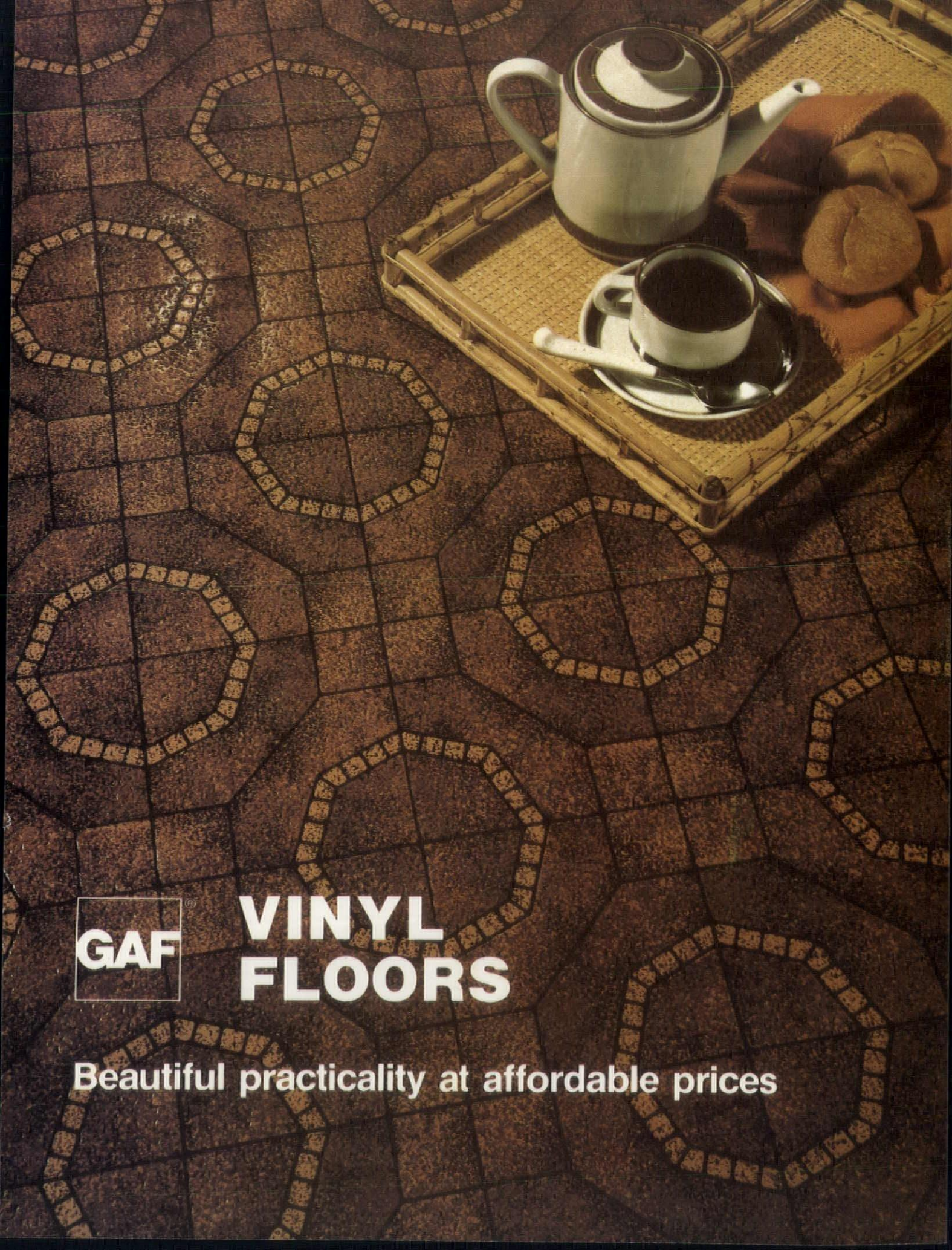
2—"Resource Guide to Liberation on Barrier-Free Environments 1977," by the Architectural & Transportation Barriers Compliance Board of HEW, Washington, D.C.

3—"A Summary of Selected Leg-

islation Relating to the Handicapped; 1977-78," by the Office of Human Development Services of HEW, Washington, D.C.

4—"Wheeling to Fire Safety," by the Eastern Paralyzed Veterans Association, N.Y.

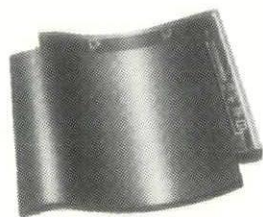
5—"Guilty Buildings," by the President's Committee on Employment of the Handicapped, Washington, D.C. **HA**



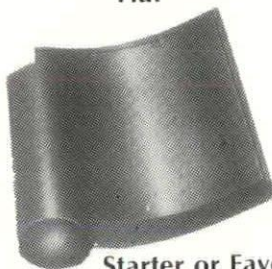
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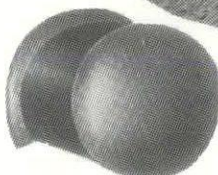
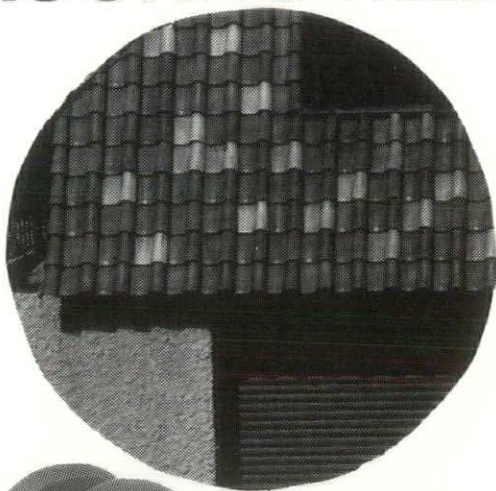
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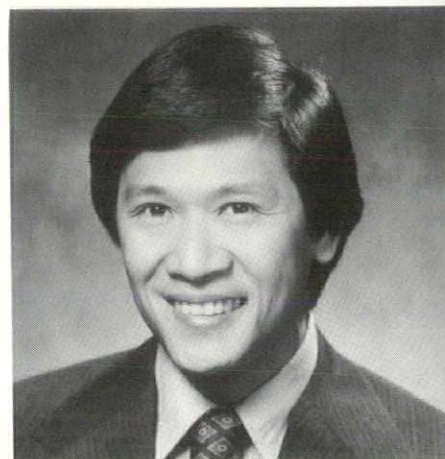
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KUDOS



Sidney C.L. Char, AIA

Wimberly Whisenand Allison Tong & Goo Architects, Ltd. (WWAT&G), have named Sidney C.L. Char partner and Michael M.S. Chun, Lyman G. "Jerry" Dunn, and Roberto A. Viggayan as associates in the firm.

Char joined WWAT&G in May 1978 and was named an associate in April 1979. A member of Hawaii Society/American Institute of Architects, he holds a Bachelor of Architecture degree from the University of Southern California at Los Angeles and a Bachelor of Science degree in Business Administration from Hawaii Pacific College.

Chun, who holds a Bachelor of Fine Arts degree from the University of Hawaii, joined the firm in 1977.

Dunn, a native of Memphis, Tennessee, holds a Bachelor of Architecture degree from Pratt Institute (New York) and has practiced architecture in New York, Memphis, and Hong Kong. He joined WWAT&G in 1979.

Viggayan joined the firm in 1973 when he came to Hawaii from Manila where he taught architectural and interior design at Far Eastern University from which he holds a Bachelor of Science degree in architecture.

Chun, Dunn, and Viggayan are also members of Hawaii Society, American Institute of Architects. HA

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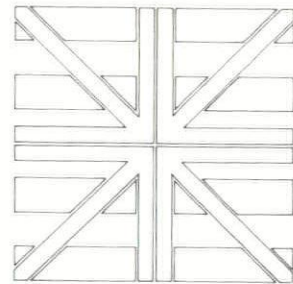
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RECOMMENDATIONS

This standard, more than any other, if followed uniformly, will provide the user with a more efficiently organized document. Large projects require more flexibility in production and it is therefore recommended that two (2) systems be adopted depending on the number of sheets involved:

1—Work Phases: An alphabetical designation may be used to identify the work phases of a project. For instance, SK may be used to designate sketches.

2—Working Drawings: A readily identifiable alphabetical prefix should be used to denote the specific discipline of work covered by that group of drawings. While we should all use the same prefixes, local custom or practice may make some of them unnecessary on certain projects; i.e. plumbing and fire protection are often considered Mechanical drawings and included in the M prefix without a separate P & F division.

3—Grouping and Numerical Sequence Type 1: (For larger projects—over 20 drawings per discipline) Architectural drawings are divided into 6 specific groups. The group number will always remain the same—no matter how large the project. Additional drawings can then be added within the groups without interrupting the alpha numerical order.

Consultant drawings should be grouped in the same order. If a particular group is not needed by a consultant, that group number is simply passed over. For instance, vertical circulation may not be applicable in Landscape and Civil drawings. Therefore, L4 and C4 probably are unnecessary.

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- C Civil
- D Interior Design
- E Electrical
- F Fire Protection
- G Graphics
- K Food Service
- L Landscape
- M Mechanical
- P Plumbing
- S Structural
- T Transportation Systems.

EXAMPLE

Architectural Drawings

- AO-1, 2, 3 (Title, Index, Symbols, etc.)
- A1-1, 2, 3 Demolition, Temporary Work and Existing Conditions.
- A2-1, 2, 3 Plans including site plan, Room material schedule, detailed plans, Reflecting ceiling plans.
- A3-1, 2, 3 Sections.
- A4-1, 2, 3 Vertical circulation, stairs.
- A5-1, 2, 3 Exterior and Interior Elevations.
- A6-1, 2, 3 Door and Window schedules and all details.

Landscape Drawings

- LO-1, 2, 3 General notes, Index, Symbols, etc.
- L1-1, 2, 3 Demolition, Temporary Work and Existing conditions.
- L2-1, 2, 3 Planting and irrigation plans and schedules.
- L3-1, 2, 3 Sections.
- L5-1, 2, 3 Elevations.
- L6-1, 2, 3 Details.

Civil Engineering

- CO-1, 2, 3 General Notes, Index, Symbols, etc.
- C1-1, 2, 3 Demolition Plans, Temporary Work, Existing Conditions.
- C2-1, 2, 3 Plans & Tables.
- C3-1, 2, 3 Sections.
- C5-1, 2, 3 Elevations.
- C6-1, 2, 3 Details & Schedules.

Type 2:

(For smaller projects. Generally less than 20 drawings per discipline.) Each discipline should still be designated by the same letter as in Type 1, but the groupings are not as necessary. However, it is recommended that each discipline follow much the same sequence as the architectural drawings. Obviously, certain projects will require more than one sheet for plans or sections or many other things, but these are simply numbered in sequence.

Structural Engineering

- SO-1, 2, 3 General Notes, Symbols, etc.
- S1-1, 2, 3 Demolition, Temporary Work and Existing Conditions.
- S2-1, 2, 3 Plans & Detail plans.
- S3-1, 2, 3 Sections.
- S4-1, 2, 3 Vertical Circulation.
- S5-1, 2, 3 Elevations.
- S6-1, 2, 3 Details & Schedules.

Mechanical Drawings

- MO-1, 2, 3 General Notes, Symbols, etc.
- M1-1, 2, 3 Demolition, Temporary Work and Existing Conditions.
- M2-1, 2, 3 Plans including site plan.
- M3-1, 2, 3 Diagrams.
- M4-1, 2, 3 Vertical Circulation.
- M6-1, 2, 3 Details & Schedules.

Electrical Drawings

- EO-1, 2, 3 General Notes, Symbols, etc.
- E1-1, 2, 3 Demolition, Temporary Work and Existing Conditions.
- E2-1, 2, 3 Plans including site plan.
- E3-1, 2, 3 One line diagrams.
- E4-1, 2, 3 Vertical Circulation.
- E5-1, 2, 3 Elevations.
- E6-1, 2, 3 Details & Schedules.

EXAMPLE

Architectural Drawings

- A-1 Title, Index, Symbols, Abbreviations, Location map, etc.
- A-2 Site Plan and Details.
- A-3 Floor Plans & Finish Schedules.
- A-4 Roof Plan & Details.
- A-5 Detail Plans & Interior Elevations.
- A-6 Interior Elevations.
- A-7 Exterior Elevations.
- A-8 Sections.
- A-9 Stairways, Vertical Circulation.
- A-10 Door & Window Schedules & Details.
- A-11 Details.



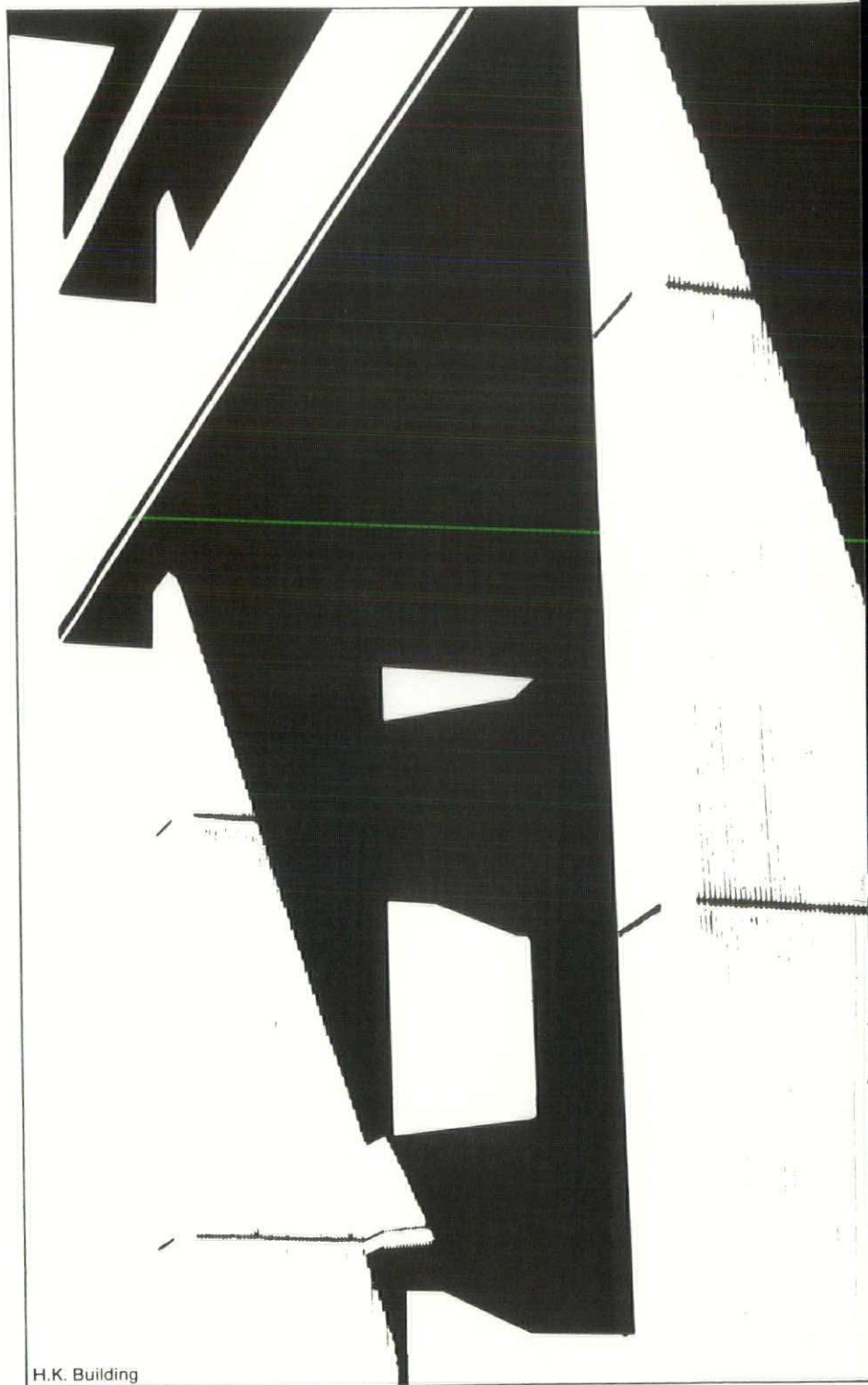
Profile: The CJS Group-Architects, Ltd.

Cindy Affeldt
Will Beaton
Don Huang

Elisa Johnson
Jeff Long
Jim Moberly

Jim Reinhardt
Kim Roberts
Allan Sawai

Chris Smith
Debbie Tachi
Diane Takehara

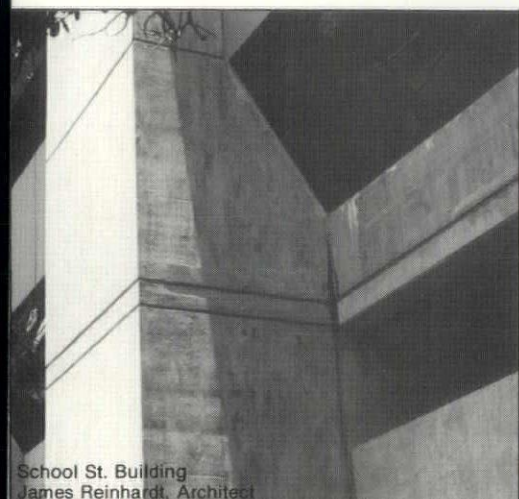


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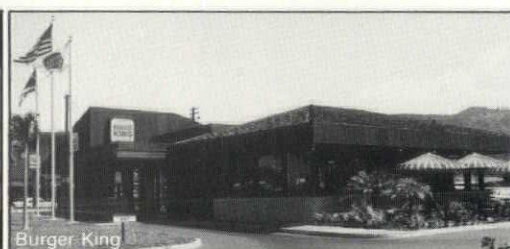


Since 1976, The CJS Group-Architects, Ltd., have worked to maintain a creative balance between human needs and physical requirements. The guiding principle for the firm is the belief that creativity cannot be an isolated process, but must incorporate spontaneity, succinct programming, and most importantly, client/user involvement. In practice, this concept implies constant monitoring of client needs and updated analyses at every phase of a project. This careful attention gives CJS Group the flexibility to assume wide-ranging responsibilities in a variety of project types, and guarantees the creation of personalized architecture.

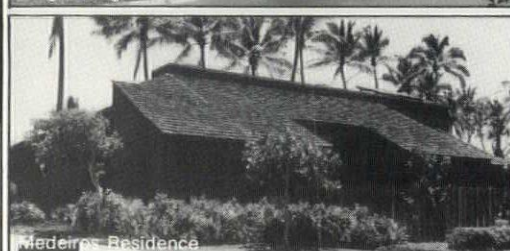
The firm has assembled a group of talented individuals from diverse backgrounds, but all with high regard for the natural environment and dedicated to exploring methods for preserving and enhancing that environment. The unique experience and expertise of each contribute to the synthesis of design solutions that are both functional and stimulating, as well as environmentally sound. In essence, creativity.



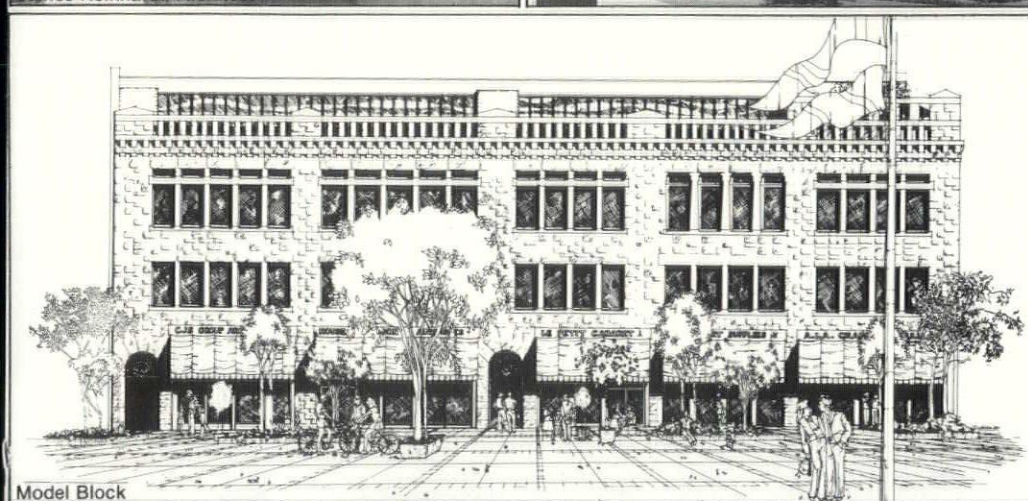
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James Reinhardt, Architect



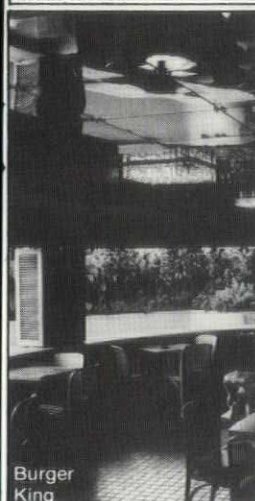
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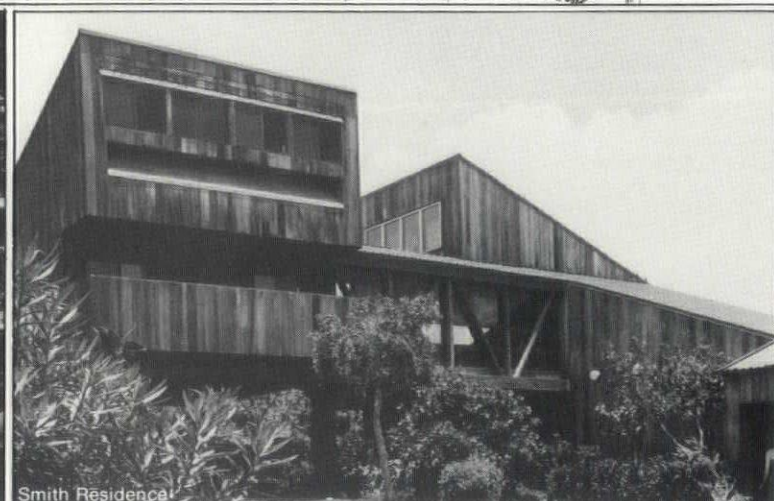
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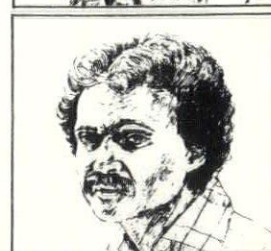
Model Block



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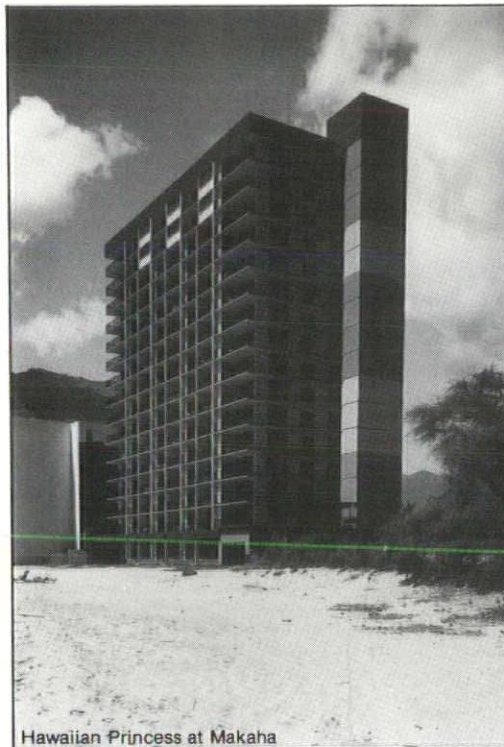
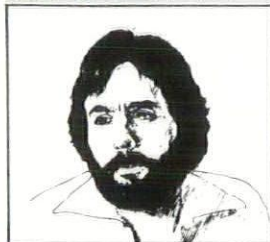
Smith Residence



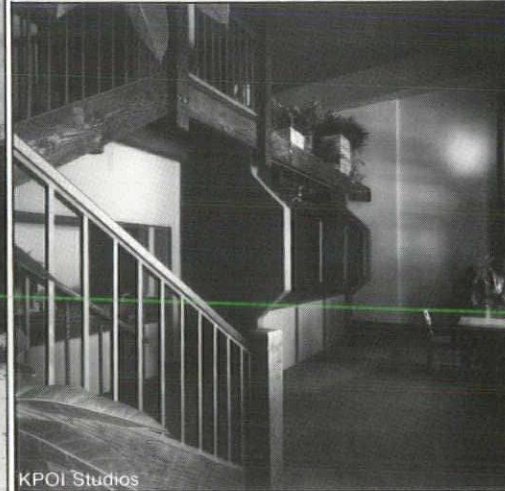
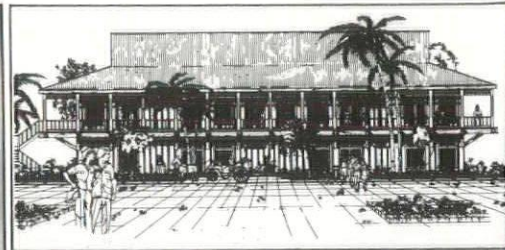


CJS Group-Architects' capabilities are as varied as the expertise and interests of the firm's people. Combining their responsive approach with a comprehensive palette of design and planning services, CJS Group-Architects have produced aesthetically and financially successful projects throughout Hawaii. The firm's three divisions—architectural design, interior design, and construction management—allow CJS Group to perform the full spectrum of tasks from feasibility studies through master planning, agency reviews, architecture and interior design, and construction management. Research is a new emphasis for the firm, and again CJS Group's approach is eclectic yet practical. As an example, their particular concern for environmental and energy issues has led to efforts as diverse as wind and solar optics studies, and windmill research.

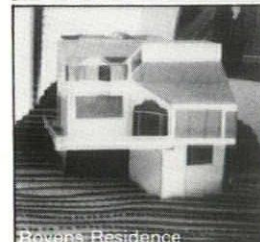
CJS Group's multi-disciplinary team has applied its expertise to projects ranging from master-planned communities, high-rise construction, and fast-food restaurants to graphic design, commercial space planning, and historic restoration.



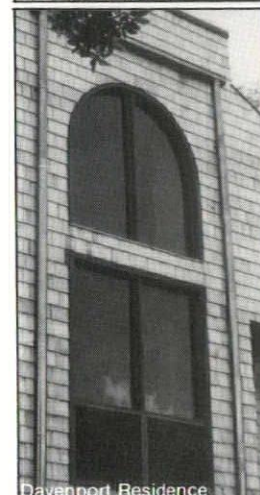
Hawaiian Princess at Makaha



KPOI Studios



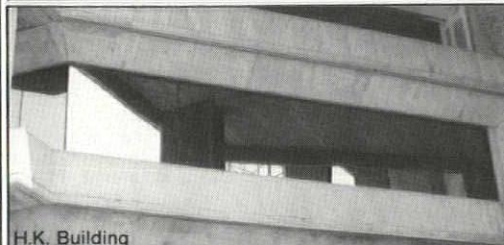
Boyers Residence



Davenport Residence



H.K. Building



H.K. Building





1980 State Legislature

Two articles by
DON CHAPMAN, AIA and JOHN CONNELL

**By Don Chapman, AIA
President-elect
Hawaii Society/AIA
Legislative Committee**

Neophyte—"One who is newly initiated into anything." In my case, the legislative process and specifically the 1980 session.

As head of the Legislative Committee, I've been asked by several people, "What happened?" What happened was considerable time spent chasing down a variety of

bills—many without bearing on our profession—and waiting around for committee hearings, numerous telephone calls, and CIO meetings.

What was accomplished? In hard visible AIA legislation—not much. However, educationally it was a crash course for me on how to prepare for and, I trust, be effective in the future.


So, where to from here?

• Lobbying is an acquired skill that can't be learned overnight.

Continued effectiveness is the result of a certain type of personality that enjoys the process, with years of experience, the trust of developed friendships, available time, and lots of energy. The Society has this valuable resource center in a number of its established members and the energy for performance in interested younger architects. Let's put the two together.

• Next year we will establish

Continued on Page 22



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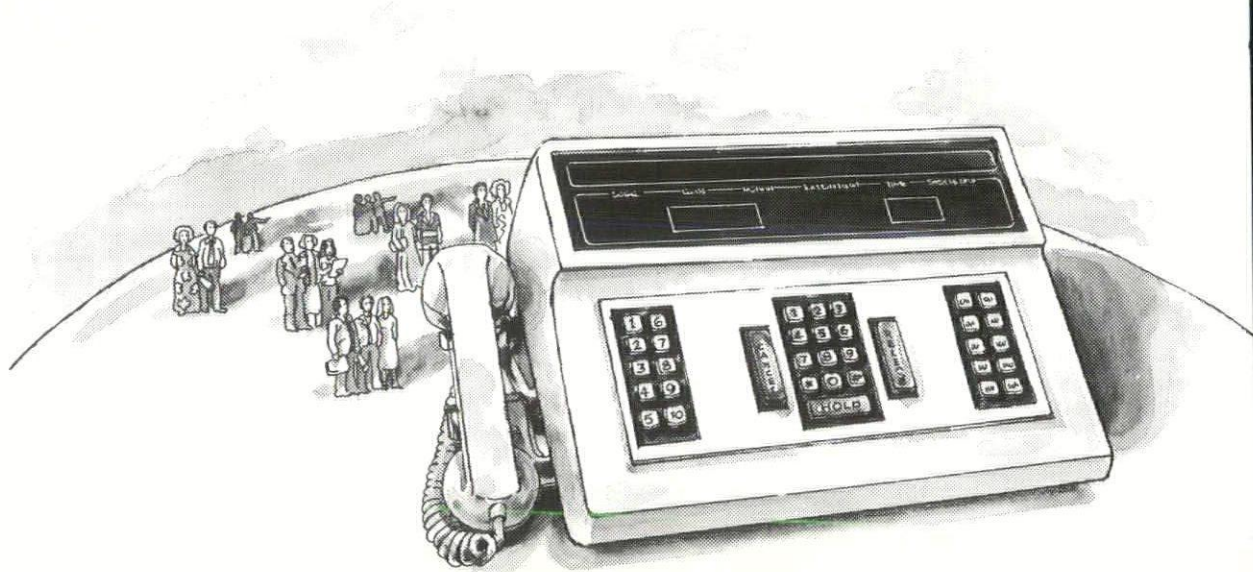
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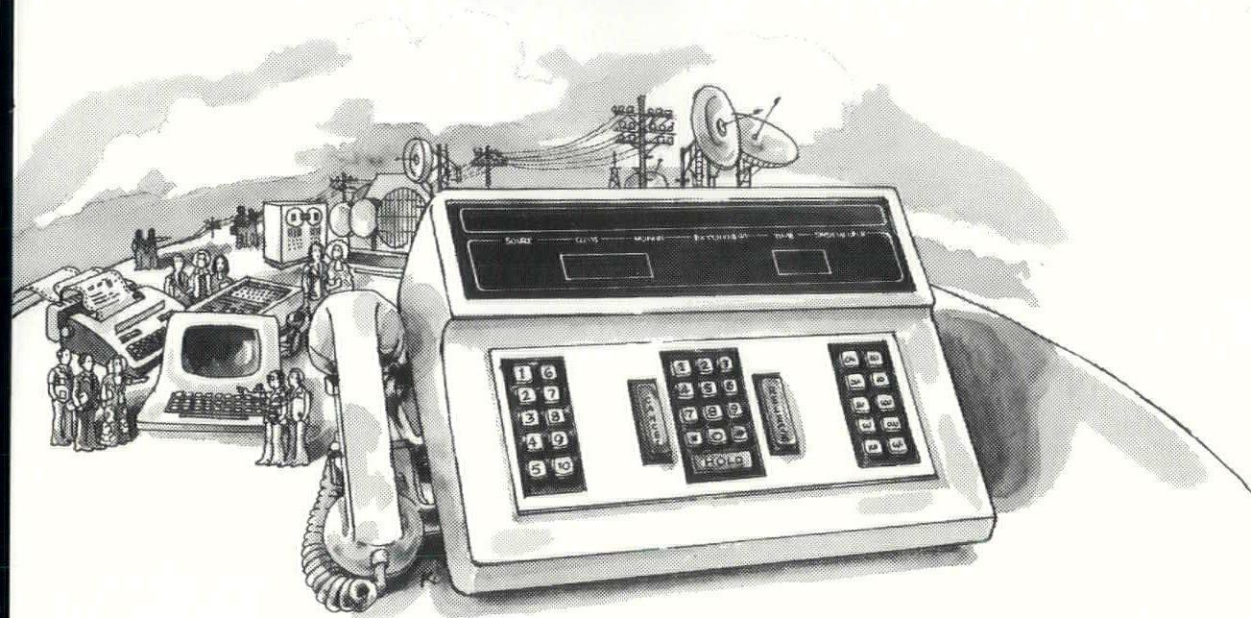
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LAURELS

HS/AIA Awards Program Molokai Recreational Community Center/Office Complex

Award for Design Excellence
by AKIYAMA/KEKOOLANI ASSOCIATES, ARCHITECTS



ARCHITECT

Akiyama/Kekoolani Associates, Architects

PROJECT

Molokai Recreational Community Center/Office Complex

LOCATION

Hoolehua, Molokai

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Lanais, Walks..... 4,204 sq. ft.

LOWER MEZZANINE

Enclosed Spaces 1,674 sq. ft.
Lanai 1,401 sq. ft.

MAIN FLOOR

Enclosed Spaces 5,458 sq. ft.
Lanais & Walkways 5,230 sq. ft.

UPPER MEZZANINE

Floor area..... 1,499 sq. ft.

FLOOR AREA TOTALS

Enclosed spaces 13,775 sq. ft.
Lanais, Walks & Walkways 10,835 sq. ft.

BUILDING HEIGHT: 50 Feet

CONSTRUCTION TYPES:

Foundation: Paired Douglas Fir poles and concrete.

Exterior Walls: Wood Studs with Redwood Exterior Ply. Partitions: Wood Studs with Gypsum Board, Laminated

Beams. Roof Framing and Weatherproofing: Wood Trusses, Metal Roofing.

Floors: 2", 3" Wood Planks and ¾" Ply.

CONTRACTOR

Mars Constructors, Inc. & Associates

BID DATE

November 14, 1975

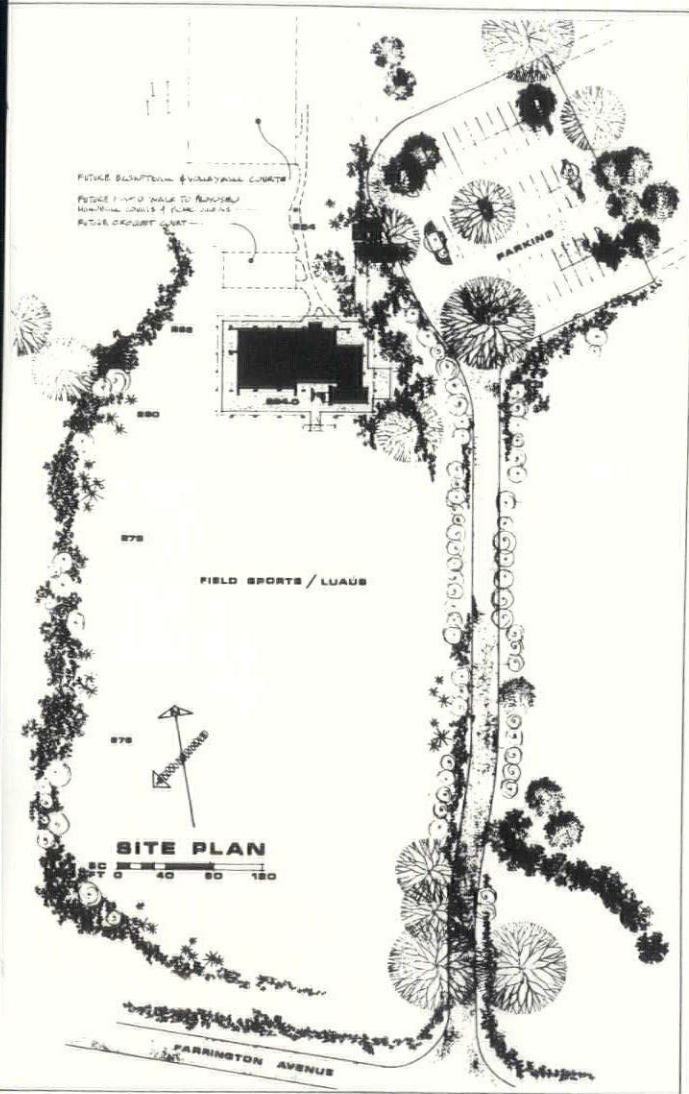
CONSTRUCTION PERIOD

February 9, 1976 through November 23, 1976

All photos by

Wayne Thom Associates

HAWAII ARCHITECT



The unusual character of the site with its 20-foot vertical bank, provided a unique opportunity to plan for a two-level structure which would have the following features:

- a. Possibility of ground level entrances to each of the two major floor levels.
- b. Vertical segregation of passive and active areas;
 - Top level (parking lot level): For offices, meeting and assembly rooms.
 - Lower level (sports and other outdoor activity level): For Youth hall and trap rooms, Senior Citizen hall, and Arts and Crafts Room.

c. The 20-foot bank dictated the installation of the 20-foot floor to floor height of the building and made possible mezzanine rooms over smaller rooms, leaving large rooms with high, pleasant volumes.

The structure is essentially rustic in appearance, with rough-hewn poles for structural columns, rough-sawn glulam beams and purlins, rough-sawn floor and roof planks, and resawn exterior siding and trims. In addition to resawn boards, contrasting gypsum wallboard was installed on interior partitions.

The structure was oriented to

provide protection from the elements while offering an uninterrupted vista of the pleasant rolling meadows and the distant hills and sea. Deep overhangs were installed for protection against the sun and rain, and spacious lanais were located off the major rooms in the lee of the "trades-buffed facility." On the windward side, openings were minimized and sill-vent scoops and recessed vents were installed to admit gentle passage of air to provide natural ventilation throughout the building.

Continued on Page 19



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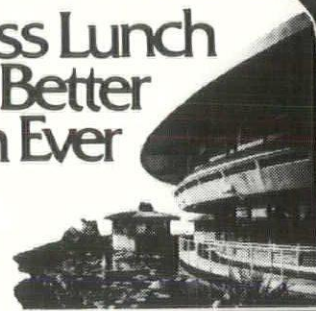


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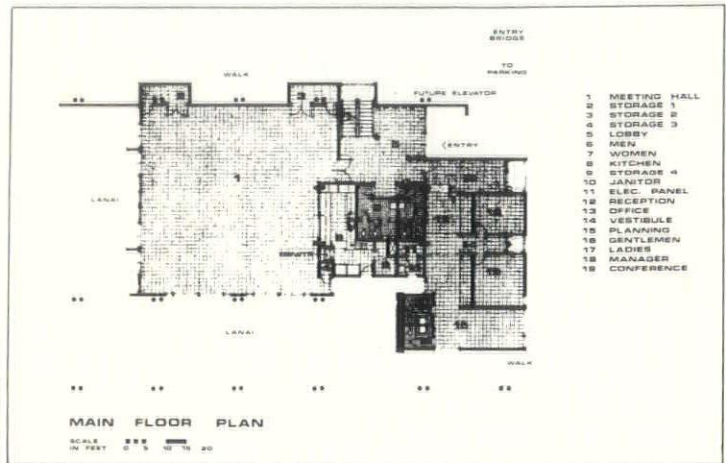
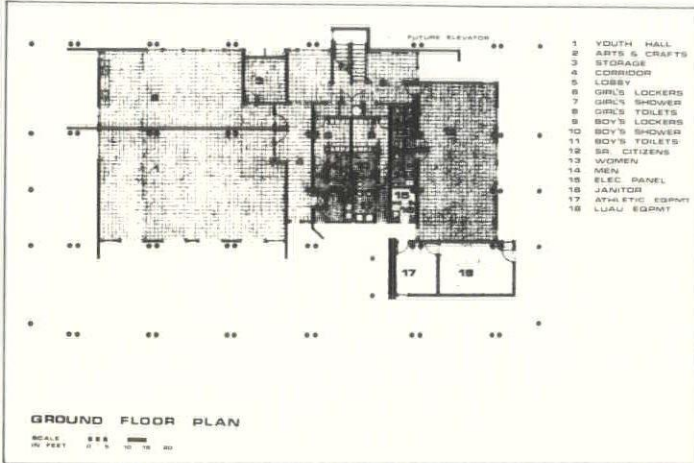
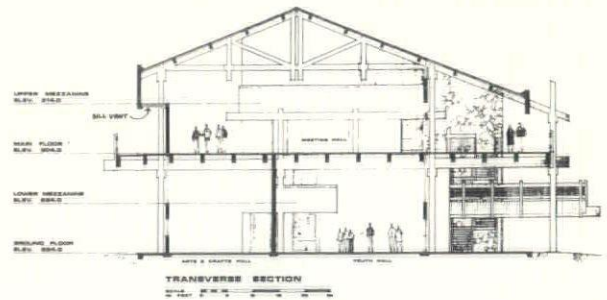
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or a catered affair.*

Molokai Center

Continued from Page 17



COST INFORMATION

Mobilization	\$19,500
Site Work	15,000
Landscaping	2,900
Exterior Utility	15,500
Concrete	52,250
Rock Work	10,900
Misc. Metal	52,300
Rough Carpentry	337,269
Millwork	61,000
Drywall	26,000
Sheet Metal/Vent.	14,000
Sheet Metal Roof	10,300
Traffic Deck	11,900
Doors/Windows/Glass	37,000
Resilient Floor	7,900
Ceramic Tile	13,000
Painting	24,900
Stainless Steel	850
Furniture/Equipment	22,000
Dumbwaiter	9,500
Plumbing/Drainage	34,000
Electrical	62,000
Total	\$839,969
COST PER SQ. FT.: \$839,969 divided by 24,610 = \$34.13	

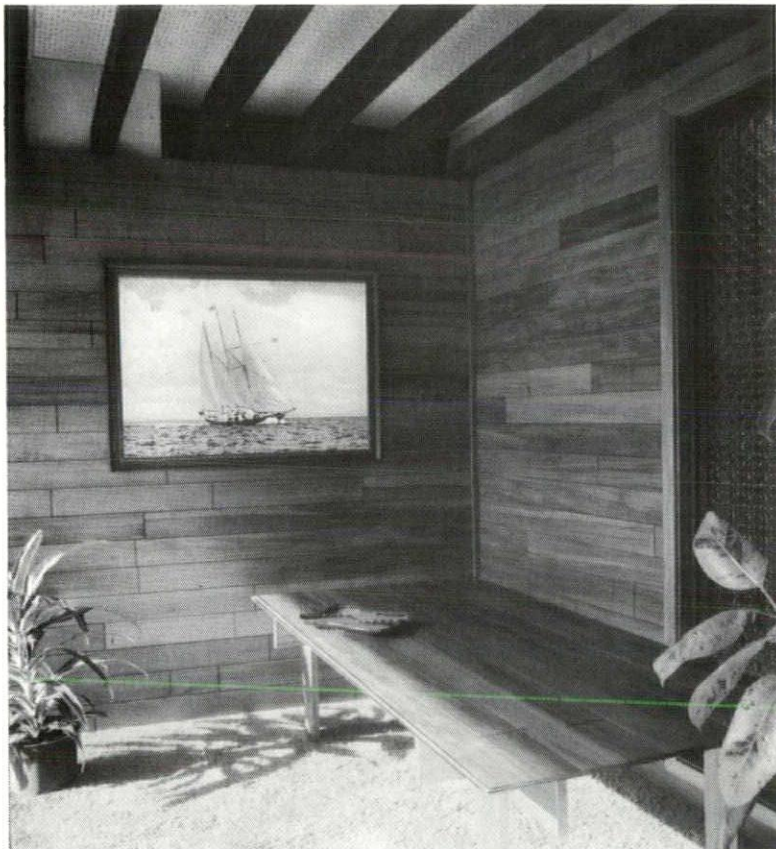
Appliances and Equipment Included in Construction Cost:

- 1 ea. ST-2 Thermador range top
- 1 ea. TMH 45 Thermador range top
- 2 ea. RJ735 Hotpoint oven
- 1 ea. FVF16CT Hotpoint freezer
- 1 ea. CTF16CT Hotpoint refrigerator

FA

A

WHAT LOOKS LIKE TEAK BUT COSTS A LOT LESS?

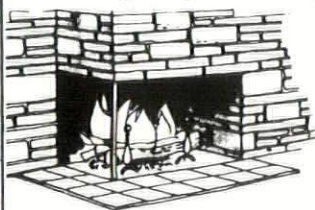


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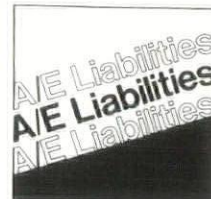
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Standard Details— Proper Application

Internal communication of technical advances is important so that certain frequently used details of routine procedures are standardized and made available where appropriate.

WHAT HAPPENED

An A/E firm was retained to design an office building/apartment complex requiring a large number of small heating-cooling units to serve certain occupied spaces. The engineer assigned to design the heating and cooling system was experienced, but new to the firm and unfamiliar with its design procedures. The firm had considerable experience in designing systems of this type. As a result of a number of temperature control problems, the firm conducted considerable research and developed a standard detail correcting the problem and showing precisely how each heating and cooling coil was to be connected. All manual and automatic components were carefully shown in proper order to prevent the control problems experienced on previous projects. To ensure that no one in the firm would deviate from the detail that was finally developed, transparent vellum reproductions of the detail were obtained, placed in a prominent location in each designer's Design Manual, and specific instructions given in the manual that the detail was to be used without modification unless a senior engineer reviewed and approved any change. The new engineer did not avail himself of the data contained in the firm's Design Manual, and designed a detail substantially different from that recommended in the firm's Design Manual. The difference was not discovered until malfunctions began to appear in the field. Improvements were made to eliminate the problem but only

Continued on Page 26

HAWAII ARCHITECT

At Waikiki's new Rainbow Promenade...

Stars of retailing glitter in a beautiful setting... Ceramic Tile and Terrazzo



Developer: Yonezou Ozaki of Tokyo
Project Director: Tony O'Ishi
Architect: Architects Hawaii Inc.
General Contractor: Swinerton & Walberg

LOOKING DOWN THE ESCALATOR from the second floor, Rainbow Promenade shows interesting pattern of Ceramic Tile lobby floor, Chandeliers, shown at right, brighten and beautify the lobby.

Yes, Yonezou Ozaki brings a galaxy of retail beauty to Kalakaua avenue and Beachwalk in the handsome new Rainbow Promenade...nine-story retail-restaurant-entertainment center in Waikiki. Great names in retailing...Tokyo's prestigious Mitsukoshi Department Store, founded in long ago 1673... Tiffany...Dunhill...Christian Dior. Restaurants...discos...Playboy Club on upper floors...even a waterfall in the window.

Beautiful Ceramic Tile and Terrazzo are right at home here. In fact, they provide a special welcome in walkways, entrance and in the spacious lobby, inviting people to enjoyment of quality as only these beautiful, natural, enduring, best of all building materials can do.

HERE AGAIN CERAMIC TILE—IT'S A TREND

In the Rainbow Promenade Ceramic Tile fits, a great and natural choice as this material has been a growing choice among so many architects, interior designers and developers especially here in Hawaii. Helping in this trend, too, are the qualified, reliable contractors who take part in their own industrywide program of promotion of Ceramic Tile. They are ready with ideas, accurate estimates, up to the minute industry developments and on time delivery to fit your schedules.

Contact any of these Promotion Program participants:

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Honolulu Roofing Co. Ltd. 941-4451
S. Kunishiga Tile 734-3340
Lani's Tile Co. 235-1144
Logan Tile Co. 262-5754
Nan-Cor Tile Company 488-5591

Pacific Terrazzo & Tile Corp. 671-4056
Pacific Tile Co., Inc. 841-8534
Sato, Robert Ceramic Tile 841-8811
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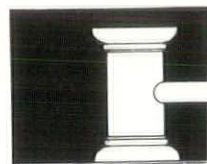
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LEX SCRIPTA

Continued from Page 13

goals and priorities before the legislature is in session, then concentrate all our fire power on a limited few targets.

• We must stick to issues such as lien rights, shorter statutes of limitations, etc., that benefit the members as a whole, thereby eliminating the weakening effect of conflicting opinions and testimony.

• Monitoring is a problem. I find it a bit much to expect a practicing architect to give up the time required to daily monitor what's going on at the Capitol; yet to be effective someone must. Possibly this could be handled in an hour or so each morning by our AIA staff. Any thoughts are welcome.

• Respond by being there. I don't know how many of you have seen Peter Sellers in "Being There," but I do know it's worth the price of admission. Being there to present testimony at committee hearings can be a frustrating, patience-testing experience but it is far more effective than the alternative of telephoned testimony to the committee chairman's secretary. Concentrating on a limited number of issues won't shortcut time spent individual hearings. However, the good part is you won't have to attend so many.

In summation, I believe next year's Legislative Committee will be quietly effective by capitalizing on our existing membership resources, getting an early start, conserving time and effort by zeroing in on a limited number of issues, having an adequate budget, and by "being there." HA



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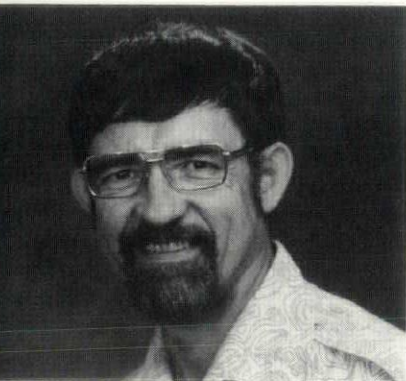


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980 State Legislature

Legislative Session
Less Than Sensational"

JOHN CONNELL,
Executive Director,
Construction Industry
Legislative Organization
(CILO)



The 10th Hawaii State Legislature is new history. The hassles over the state supplementary budget, which caused a 10-day extension beyond the normal 60 working days, were only symptoms of deeper problems. There appeared to be a lack of long direction which is necessary to provide a cohesive program with broad support. In the Senate, the "new politics" occasionally went so far to avoid the alleged sins of "machine politics" that it often appeared to be "every man for himself." There was little agreement on a unified program, and each committee was left to operate pretty much on its own. Some fared better than others. In the House, there was more emphasis on trying to subdue personal passions for the welfare of the "body." Considerable pressure was brought on certain legislators to keep them from breaking ranks and impeding the progress of the majority supported measures. It was inevitable that this difference in philosophy would collide head-on when it came to determining

ing who was going to pay the bill and how the pie would be divided. In the Senate, it appeared that a small hui of the majority was making most of the decisions without the participation of their colleagues. This was uncomfortably similar to the accusations made against their predecessors. In the House, the resignation of Jack Suwa, the veteran chairman of the House Finance Committee, and the pending departure of Speaker James Wakatsuki, who would be terminating 22 years service in the legislature to accept a judgeship, set the stage for a power struggle as various factions started jockeying for position to move up in the power structure next session. Many hardworking, conscientious legislators were forced to stand by during these lengthy negotiations (or lack of negotiations) and see their pet programs fall by the wayside. The House killed the vested rights bill and the repeal of the agriculture rollback tax, while the Senate gave the "deep six" to the moratorium on condominium conversions and the interim guidelines for the State Plan. A number of bills, such as requiring written notice to a property owner before his property is downzoned, and the authority to transfer development rights, were not passed out because "the counties can do this on their own." Other bills were simply too controversial to tackle in an election year. Lest you get the wrong impression, let me quickly state that there were many legislators in both Houses and on both sides of the aisle who were dedicated, conscientious, informed, and worked hard for positive programs, but they themselves were victims of the respective power struggles. Some of the measures which failed to pass would have repealed the architects exemption from the

Continued on Page 24

TEST YOUR ENERGY IQ

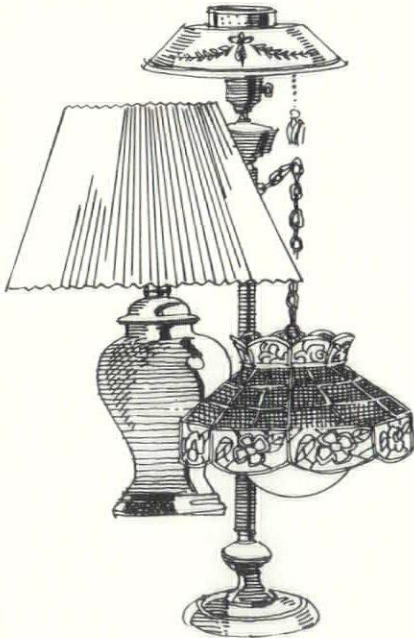
IQ

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The biggest single users of electricity in a home are the lights.

Yes ☐ No ☐



Answer: No. It is usually the water heater. Typically for a family of four, lights will use only 7% of all the energy used, water heaters about 40%. If you have any questions about the efficient use of electric lighting in your home or business, call us at 548-3511.

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1980 State Legislature

Continued from page 23

contractors' licensing law, and would have required that whenever a building is constructed without an architect or engineer's stamp, it would have to be noted at the Bureau of Conveyances.

Some of the major measures which passed are as follows:

SB 1003 SD1, HD1, CD1—Allowing counties to phase out certain nonconforming uses in commercial, industrial, resort and apartment zoned areas, but not buildings used for residential or agricultural uses.

HB 2629 HD1—Allowing counties to build moderate income housing.

HB 2647 HD2, SD2, CD1—Clarify statutes on vehicle weight, size fees and fines. Motor carrier safety officers given authority of police in enforcement.

HB 2674 HD1, SD1—Protect sureties under statute of limitations.

SB 2693 SD2, HD1, CD1—Historic sites and objects: transfer review board to DLNR.

HB 2723 HD2, SD2, CD1—Authorize \$122.5 million revenue bond to finance construction and permanent mortgages secured by rental housing projects.

HB 1912 HD1, SD1, CD1—The Supplemental Budget.

1—Measure state's economic growth by total state personal income until June 30, 1984; but study other indicators.

2—\$25 million for repair and maintenance.

3—\$200,000 to study redevelopment of Aloha Tower.

4—\$2.3 million for groundwater exploratory wells.

5—\$6.8 million airport parking facility.

6—\$5 million for Barbers Point Deep Draft Harbor.

7—\$800,000 for Kakaako Community Development District.

8—Authorize \$151.3 million GO bonds. HA

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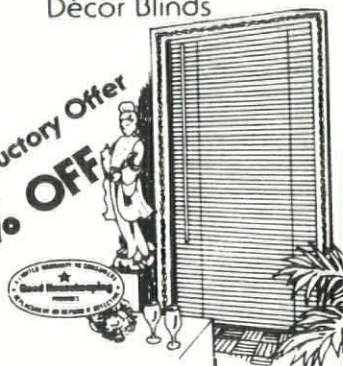
Moreover, the metal lath base provides superior internal resistance to impact forces in heavy-use areas like gymnasiums, shower rooms and pool areas.

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A/E Liabilities

Continued from Page 20

by making changes to each of the large number of coils in the building. The contractor submitted a bill to the owner for extra work and the owner promptly instituted a claim against the A/E firm to indemnify himself for the extra costs, contending the A/E's negligence caused the problem.

RESULT

The claim was settled by the payment to the owner of a large sum of money by the A/E firm's professional liability insurance carrier and by the A/E firm.

LESSON LEARNED

Although there is always room for improvement in any standard design detail, it is sometimes ill-advised to "reinvent the wheel" each time a standard detail is to be used. Standard or routine types of assemblies or details should be

developed with great care and attention, after which change should not be casually made by persons unfamiliar with the reason for the development of the standard detail. In this instance, a communications breakdown within the A/E firm prevented the new engineer-employee from profiting from the experience of others. If the same amount of care had been expended in communicating the availability care of the information contained in the detail as had been taken in developing the content of the detail, much time, effort and money would have been saved. Furthermore, neither the reputation of the A/E firm nor that of the engineer was enhanced by this episode. **HA**

June Meeting— Navy Work

On Thursday, June 19, W.C. Johnson, director, Design Division, Pacific Division, Naval Facilities Engineering Command, will speak on "Procedures for Applying for Navy Work." The talk will cover filling out of the various forms required and the type of information that should be presented if you are interviewed.

For more information, call the Hawaii Society/AIA office at 538-7276.

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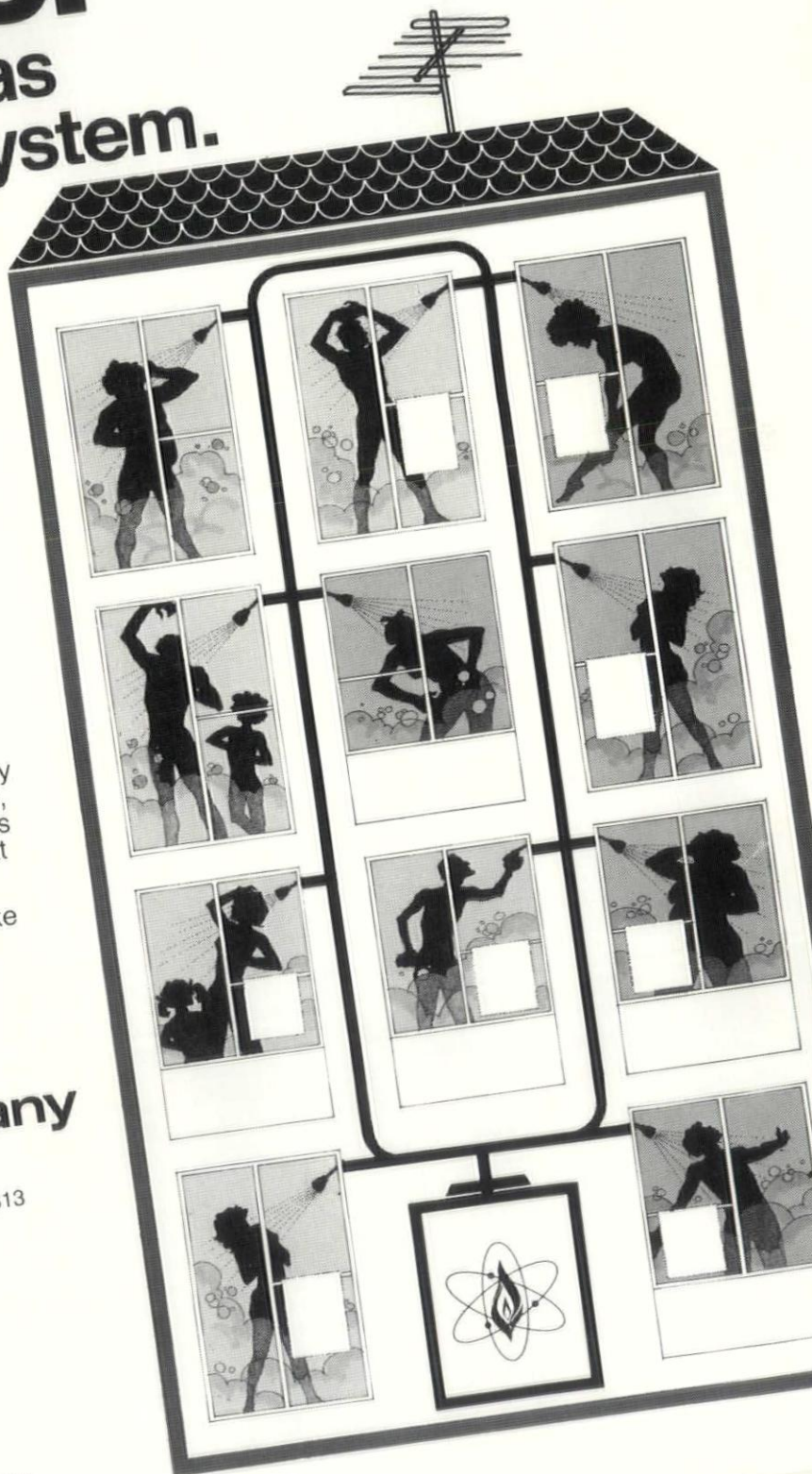
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SPACE WARS?

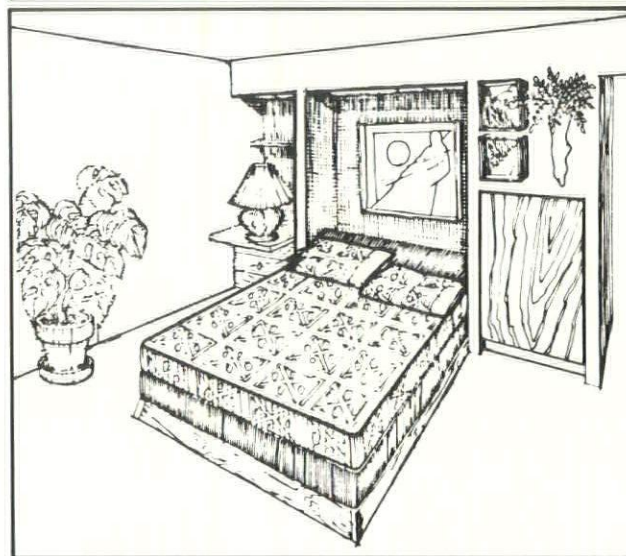
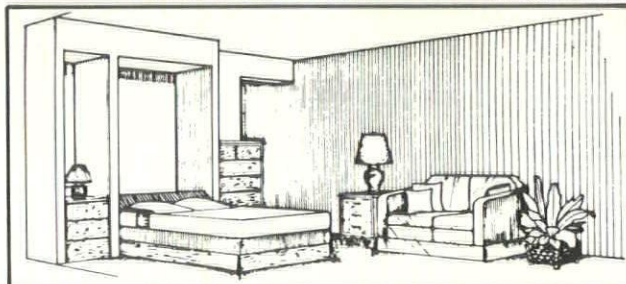
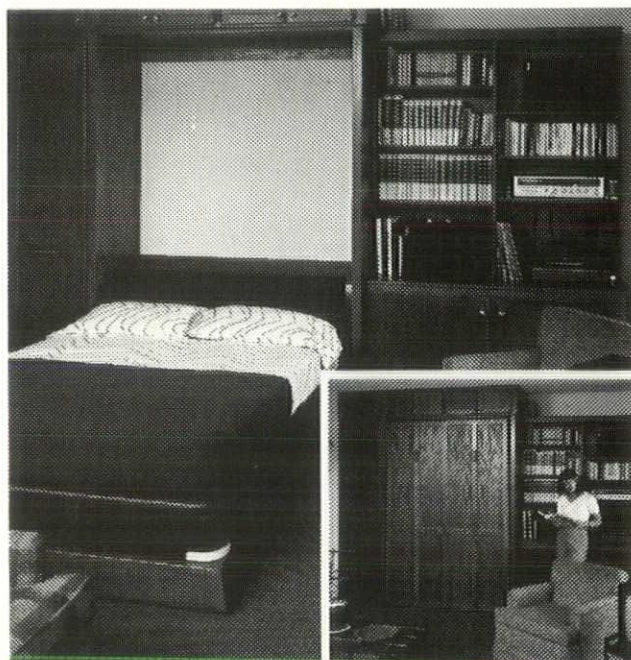
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