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**BECKET
REPORTER**

81-2

**COVER:
CALIFORNIA
STATE CAPITOL
SACRAMENTO,
CALIFORNIA**

“The preservation of our significant landmarks is an indispensable aspect of preserving our cultural heritage. And the value of our cultural heritage is the value of history itself, which is the cumulative memory of mankind, without which we can neither understand the present nor wisely plan for the future.”

Volume II
Architect's Report to the Legislature
February, 1975

**A MESSAGE FROM
MACDONALD BECKET**

Over the years Welton Becket Associates has designed almost every type of public building—from county courthouses, libraries and convention centers to sports arenas, museums and theatres. Some projects like Nassau Coliseum and the Grand Ole Opry are immediately recognizable. Others such as San Francisco's Palace of Fine Arts and The Music Center in Los Angeles have become almost synonymous with their locations.

What is rare—perhaps, only available to a handful of designers—is the opportunity to be associated with a project that is architecturally significant on a national scale and at the same time is a forceful symbol of regionalism.

This opportunity came to Welton Becket Associates in 1974 when we were asked to prepare a special study that would address the space needs of the state government in Sacramento and the future of the aging West Wing of the California Capitol. Without hesitation, we recommended that the historic Capitol be restored and preserved. The Joint Rules Committee concurred and

subsequently so did the Senate and the Assembly. In retrospect it was a bold decision tempered by practical considerations and the begrudging respect which the old building commanded, even in its state of disrepair.

California's initiative has spurred restorations of at least a dozen other statehouses.

None are as complex or as massive as the reconstruction required in Sacramento. The significance is not so much in the scope of these projects as it is in the growing awareness that our heritage, like our natural resources, is a treasure that needs to be preserved and protected.

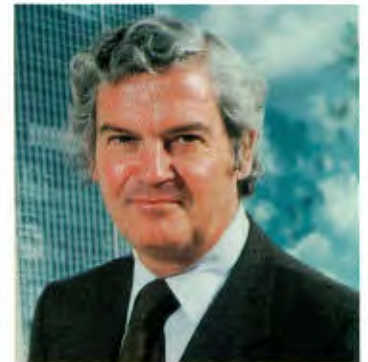
For Welton Becket Associates the California State Capitol is a source of tremendous pride as the following pages of this *Reporter* attest. That pride is not only in our own involvement but in the caring and intensity that everyone—from artisans and skilled craftsmen to the more than 2,000 construction workers on site—have brought to the project.

Perhaps, few understand this more than our own people—Alan Rosen, LA office director, Lou Naidorf, director of design; Robert Mathews, project architect; Randall Myers, director of interiors

and Jack Tropiano, director of production. Collectively they have given over 30 years effort to the Capitol restoration.

Special acknowledgement is also due URS/John Blume & Associates, structural engineers, who were ably represented by Lloyd Lee; Raymond Girvigian, historical consultant; John Worsley, F.A.I.A. the legislature's representative on the project site and Mike Heller of Continental Heller/Swinterton & Walberg, contractors who with Becket made up the project team.

I hope your holidays and the new year are full and joyful.



Macdonald Becket

**CALIFORNIA
STATE CAPITOL
SACRAMENTO,
CALIFORNIA**



The State Capitol represents the most complex restoration/reconstruction effort involved in any single historic building.



When work began on the California State Capitol in 1976, the West Wing seemed relatively unchanged. Despite outside appearances, age and more than 100 years of careless and haphazard remodeling had taken their toll.

Designed long before modern seismic standards, the building's structural fabric had weakened and most of the original design and architectural character had been compromised in response to constant demands for space.

Today the Capitol has been returned to its former splendor—a tribute to the legislature's persistence in assuring that the old building would be

saved and to the hundreds of professionals, artisans, craftsmen and laborers who contributed to its historic rebirth.

The most complex restoration/reconstruction effort involved in any single historic building, the project team had to be concerned with the Capitol's structural integrity as well as its architectural origins. Both requirements were made more difficult by the lack of historical information, including early architectural drawings.



The first step was to measure the building and prepare a record set of drawings. It took three months to complete. Then the original brick structure was given a new skeleton. A fourth floor was removed together with all the interior walls. A foot of brick was then peeled away from the inside face of the exterior walls and a layer of concrete

added in its place with steel anchor bars to reinforce the masonry. This process was applied floor by floor down through the building until the overall structure had been completely reinforced.

Next, the exterior of the building was restored. The dome was refaced in copper. The porticoes and colonnades were strengthened and repaired. The iron bolts which had supported the gigantic cast-iron Corinthian capitals were replaced. New balustrades were carved to replace those which had been removed many years earlier. Even the statuary which sat on the parapets has been replicated.

Inside, layer upon layer of decoration was removed. Decorative plaster ceilings were discovered and recorded in latex molds and castings. Outer layers of paint exposed extensive decorative painting. Numerous artifacts and even the wood backing on the stairs which once filled the entrance foyer were found.



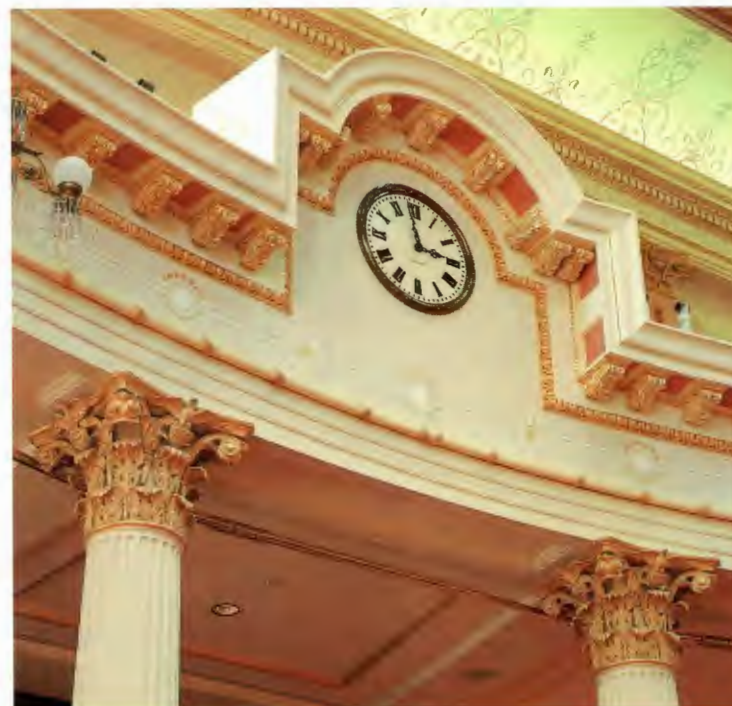
Very little was salvagable. Each room had to be reconstructed from the beginning. It took extensive research and analysis to piece together the mystery of what the Capitol was like circa 1900.

The Assembly and Senate chambers, which had been virtually destroyed during the

remodeling of 1906-1908, were completely rebuilt and restored to their turn-of-the-century opulence with coffered ceilings, intricate plaster detailing and chandeliers.

The ceiling in the Assembly chamber was constructed from plaster fragments discovered under the floor boards of the podium.

The most dramatic interior space is the rotunda which is 70 feet in diameter and rises 238 feet from the street level. It also has been renewed to its former beauty with its contoured surfaces colored in muted soft tones enhanced by gold leaf and decorative moldings.



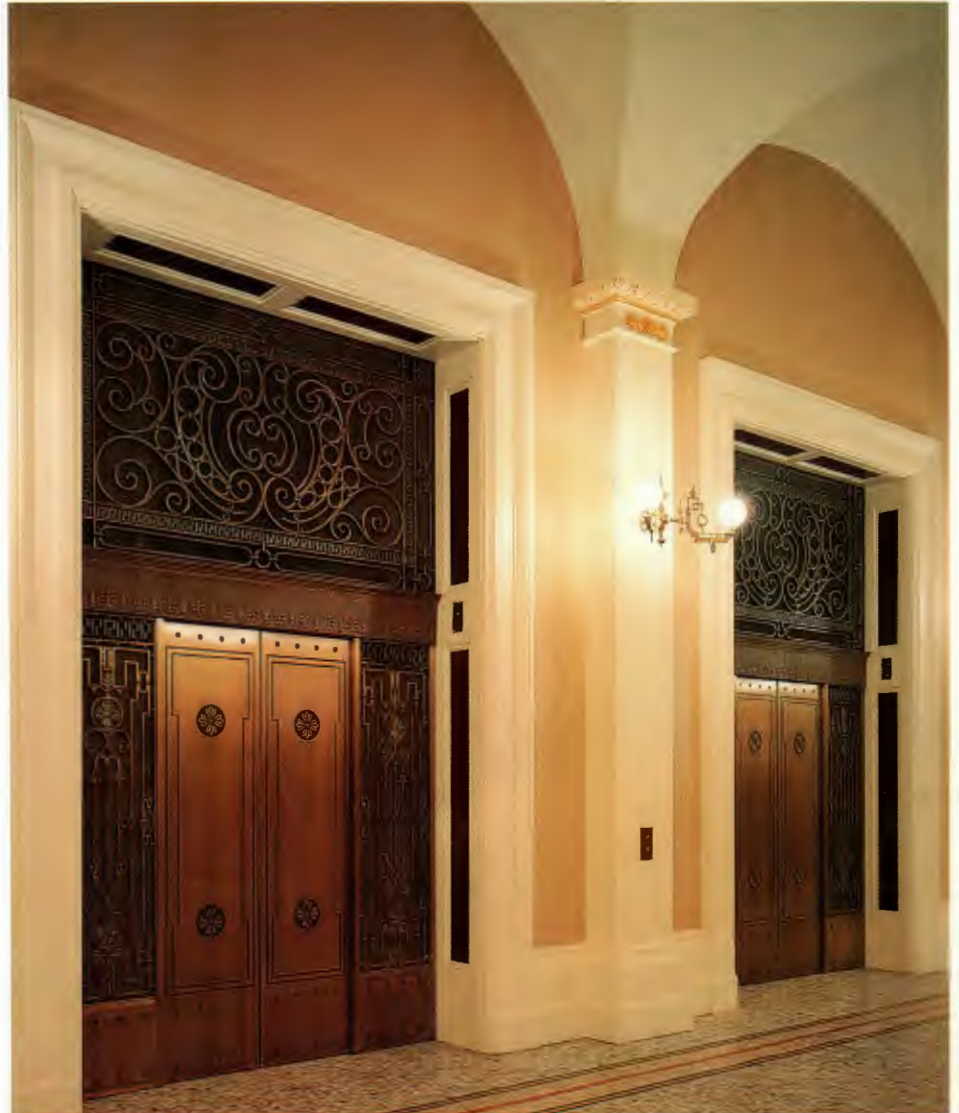
As much of the original materials, such as doors, window frames, and flooring that could be recovered, were saved for reinstallation or to assist in the reconstruction. The 6,000 square foot marble mosaic floor on the second floor corridor was photographed, removed, cleaned and polished and then reinstalled.

The monumental stairways eliminated in 1906 were recreated in rich mahogany with carved bearheads on each newel post recreated from a single photograph and a few pieces of the original stair which turned up in a Sacramento church.

As the center for California government, the historic West Wing has been brought up to today's standards. The latest methods of telecommunications have been installed.

In each case modern technology has been fitted to the nineteenth century mold. For example, air conditioning vents are subtly molded into the plaster soffits. Incandescent lights hidden in the cornice of the rotunda dramatically illuminate the majestic dome at night.

Far from a dead relic, the California State Capitol is a lively, functional seat of government. It is, perhaps, more than it ever has been an expression of the optimism and pride which has always characterized the state and its citizens.



Becket strived for an openness and airiness in its inverted T-shape design for Terminal One, the first completely new domestic facility at LAX in 18 years.

**LOS ANGELES
INTERNATIONAL
AIRPORT
LOS ANGELES,
CALIFORNIA**

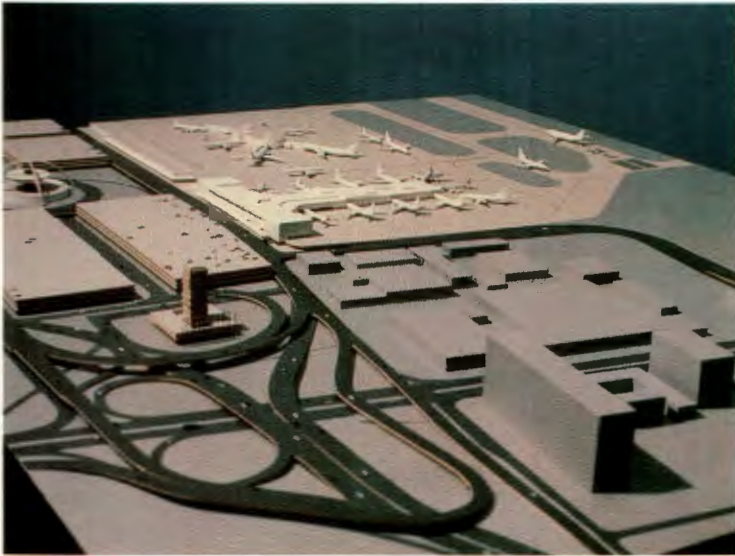
When Los Angeles International Airport's new Terminal One is completed in 1983—in time for the Summer Olympics—it will be busier than 85 percent of the airports of the world. Construction is slated to begin on the 360,000 square foot facility in January.

The Becket-designed facility is part of a \$750 million improvement program which will add a second level roadway throughout the airport complex and upgrade existing terminals. Terminal One will be the first completely new domestic terminal at LAX in 18 years.

Extensive use is made of daylighting both as a graphic element which guides passengers through the terminal and as an energy conservation measure. More than 10,000 square feet of skylights illuminate the 500 foot concourse and arcade above the linear ticket counters. Terminal One will also include a mini-shopping center with a restaurant, gift shop, duty-free shop, florist, barber shop, money exchange, ethnic shop, bar, car rental and ice cream shop.

Although constrained by a limited site, Becket strived for an openness and airiness in its inverted T-shape design. Ticketing is at the head of the T and boarding along the stem. The design also achieves the shortest walking distance of any terminal at the airport.

Terminal One, a joint venture of Welton Becket Associates and Margo Hebard-Heymann, A.I.A., and Associates, will handle six million passengers annually.



The need to accommodate over 5,000 SSA employees dictated wide open spaces for work areas.

**SOCIAL SECURITY
ADMINISTRATION
METRO WEST BUILDING
BALTIMORE, MARYLAND**

Metro West, the workplace for 5,000 Social Security Administration employees, was designed and constructed under conditions that make it unique among federal buildings.

The General Services Administration (GSA) imposed a "super fast track" schedule on the project that called for the architectural team to be responsible for all building components affected by climate and geography. The contractor, working simultaneously with the architects, handled interior systems such as ceiling and floor tiles and wall finishes.

Added to these requirements never before applied on so massive a scale was the need to provide large open work spaces.

To avoid an institutional appearance and break up the 1,351,802 square feet of space, the architects positioned 11 of the 13 elevator banks to the exterior of all four sides of the building. A 14-story tower was incorporated in the design which also includes two low-rise structures, one four stories and the other five stories.

The 11-acre site which straddles both sides of Interstate 170, a gateway to the city,

also provided an opportunity to give the building a different look by connecting it with a two-story bridge which houses a skylighted cafeteria, the post office and civil services.

The project was carried out by a joint venture architectural/engineering team of Welton Becket Associates, the Eggers Group, the Grad Partnership and Jaros, Baum and Bolles.



**U.S. NAVAL REGIONAL
MEDICAL CENTER
SAN DIEGO,
CALIFORNIA**

The Naval Regional Medical Center now under construction in San Diego's Balboa Park was shaped by two major concerns: the Navy's desire to avoid an institutional look and the need to respect the sensitive environmental setting. These concerns are reflected in both the facility's design and in its interior planning.

The joint venture of Welton Becket Associates, Hugh Gibbs and Donald Gibbs Architects, F.A.I.A., and Syska & Hennessy, Inc. created a campus of low-rise buildings arranged along a series of courtyards. By arranging the major pedestrian circulation around the exterior of the buildings—

The Medical Center was shaped by the Navy's desire to avoid an institutional look and to respect the sensitive environmental setting.

either as open balconies or as glass-enclosed galleries—the architects are able to take advantage of San Diego's mild climate. The balconies recall the flavor and character of the traditional shadowed arcades and functionally serve as sunshades.

The 1.2 million square foot medical center will include a 760-bed hospital and outpatient department with 31 clinics as well as support services when it is completed in 1987. The new facility, a replacement for the adjoining outdated complex of buildings on the same site, assures the availability of specialized staff and advanced technology that includes such areas as surgery, radiology and laboratory procedures.

The efficiency and flexibility of the design is also demonstrated in the triangular-shaped nursing units. Glass walls separate the patient rooms from the open central nursing area which enhances the staff's visibility without sacrificing patient privacy or outside views.

Extensive landscaping is planned to visually expand the surrounding park and provide an informal setting for the medical center. The design also makes extensive use of natural daylighting and is attentive to solar orientation. The building's mechanical systems meet a stringent energy budget.



**PROJECT
HIGHLIGHTS**

**FIRST STAMFORD PLACE 1
STAMFORD, CONNECTICUT**

First Stamford Place, a joint venture of Trizec Stamford-Goldfield Company, is in the working drawings phase. To be located on 14.3 acres, this mixed use complex will consist of three low-rise office buildings totaling 800,000 SF and a 520-room hotel which will be operated by the Sheraton Corporation. The site in a park-like setting offers the advantages of close proximity to the Connecticut Turnpike, Conrail and the Long Island Sound.

**NORTHROP 2
CENTURY CITY, CALIFORNIA**

Construction will begin this winter on a second major building for Northrop Corporation in a prime Century City location. The 20-story structure will be located on a 1.5 acre site adjacent to the

15-story Northrop corporate headquarters. Compatible with the existing structure, the new 362,000 SF building will feature strong alternating vertical elements with fluted precast concrete columns and recessed curtain wall filled with solar bronze glass windows and spandrels.

**ONE TAMPA CITY CENTER 3
TAMPA, FLORIDA**

An April dedication is planned for the 39-story, 860,000 SF office tower which will house General Telephone of Florida (GTF). GTF is a subsidiary of

General Telephone and Electronics. The tower, the first part of a four block project, will be joined this spring by a 500-room Hyatt Regency Hotel, a retail plaza and interconnecting bridges. Also planned is a second 400,000 SF office building.

**FINANCIAL PLAZA 4
SAN DIEGO, CALIFORNIA**

Construction of this facility for Bowlen Holdings Limited of Edmonton, Canada is slated to begin in late 1982. The 23-story office building with subterranean parking for 600 cars is located in San Diego's emerging downtown financial district. The facade for the 471,000 SF building will be travertine with bronze reflective glass.



**TWO NATIONWIDE PLAZA 5
COLUMBUS, OHIO**

To be formally opened this month is an 18-story office building owned by Nationwide Mutual Insurance Company. The 350,000 SF building features a stepped design to complement its neighbors in this major downtown quadrant which also includes a Hyatt Regency Hotel, a convention center and a park.

**DONG BANG INSURANCE COMPANY
SEOUL, SOUTH KOREA**

Currently in preliminary design phase, this 24-story building will be the headquarters for the Dong Bang Insurance Company, a subsidiary of the Samsung Group. Centrally located in the financial district, this 52,380 m² tower will be adjacent to the historical monument "South Gate." Underground retail space and parking will be provided as part of the building.

**500 NORTH BRAND BUILDING
GLENDALE, CALIFORNIA**

This 16-story office building in the Glendale financial district is now in preliminary design phase. Developed by Howard Development Company in association with Carma/Spurgin, the 300,000 SF building will be in the form of an elongated hexagon and will be clad in insulated glass with granite spandrels. A major design feature is the sloped, skylit space at the 16th floor which faces north to the Glendale hills.

**RAMADA TROPICANA
ATLANTIC CITY, NEW JERSEY**

The Ramada Tropicana has formally opened in Atlantic City, providing this oceanside resort its newest and most elegant hotel and casino. Designed by a joint venture of Welton Becket Associates and Carl Puchall for Ramada Inns, Inc., the Tropicana features a six-story atrium which is linked to a rooftop lounge by glass-enclosed elevators overlooking the ocean. Besides its 521 rooms and 47,000 SF casino, the Tropicana has six restaurants, cocktail lounges and a grand ballroom. A 1700-seat theatre will be completed in mid-1982.

**FLUOR E & C INC.
HOUSTON, TEXAS**

The new headquarters for the Houston Division of Fluor Engineers and Constructors will be located on a 100-acre site surrounded by a 67-acre lake. Schematics are in progress for the first phase of the project—approximately 1.5 million SF of office space. Planned are a series of modular building elements to permit future expansion eventually accommodating 10,000 employees.



NOTES



Robert Tyler, F.A.I.A., Director of Design—Corporate for Welton Becket Associates, has been elected president of the Southern California Chapter (Los Angeles) of the American Institute of Architects for the term 1983-84. He will serve as vice-president for the upcoming year.



Excavation is proceeding on schedule for Colorado Place, the 15-acre corporate headquarters and hotel complex which will be Welton Becket Associate's new home in 1983. Located in Santa Monica, Colorado Place will be built in two stages with the first part consisting of three pavilion office structures. Joining Becket in the complex will be System Development Corporation and Tosco Corporation. The next stage of development will include additional office space, a 350-room hotel and a recreation area.



Welton Becket Associates is the founding contributor to the Architecture and Design Endowment being established for Los Angeles' new Museum of Contemporary Art. Representing the firm at a reception announcing the formation of the Endowment was N. David O'Malley, president and chief executive officer, shown here presenting a pledge to Eli Broad, chairman of the Museum Board, far left; and David Martin, chairman of the Museum's Architecture and

Design Support Group. The event held at Getty Museum also provided an opportunity to introduce Pontus Hulten who left the Pompidou Centre in Paris to become the new director of the Museum of Contemporary Art.

**WELTON BECKET
ASSOCIATES**

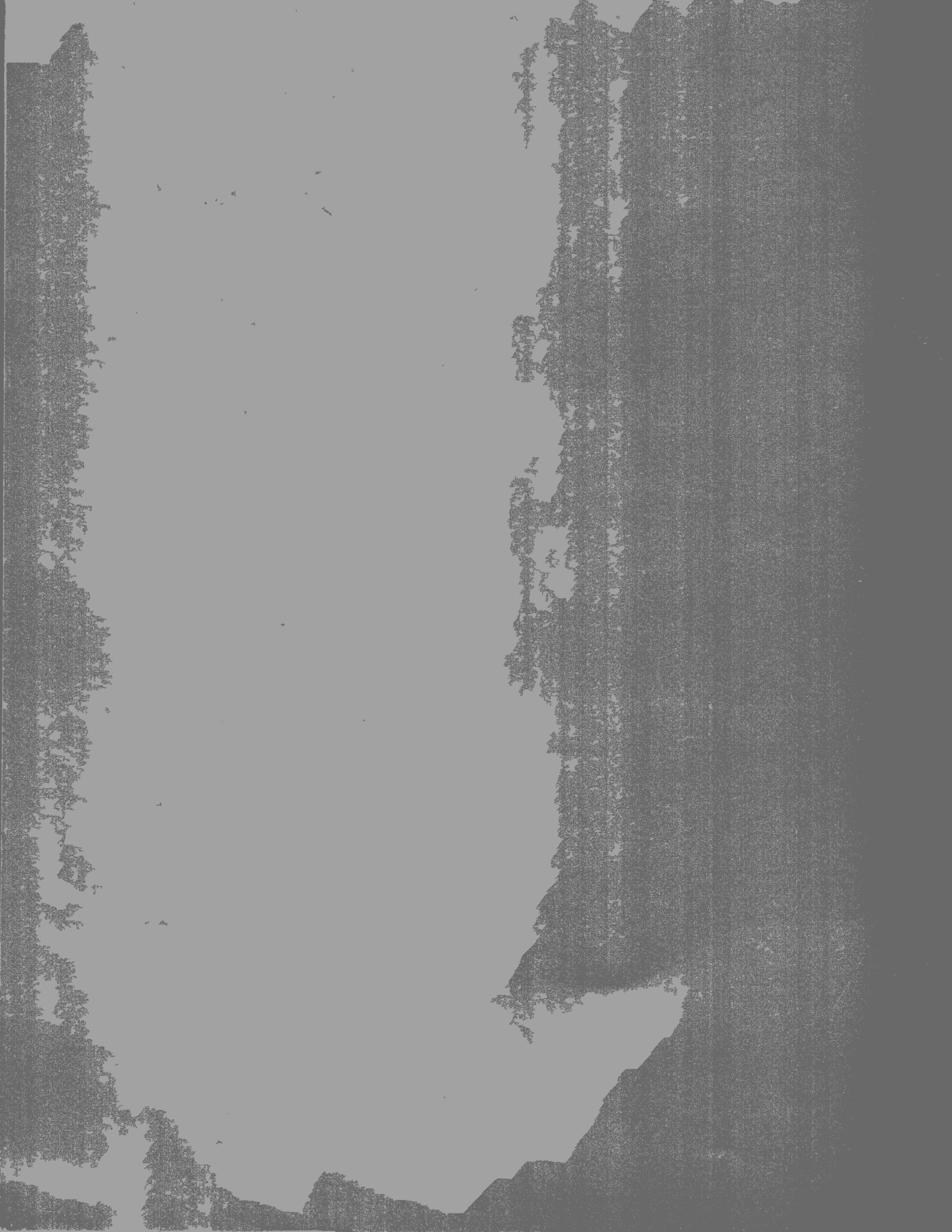
**BECKET
INTERNATIONAL**

**BECKET
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ADMINISTRATORS**

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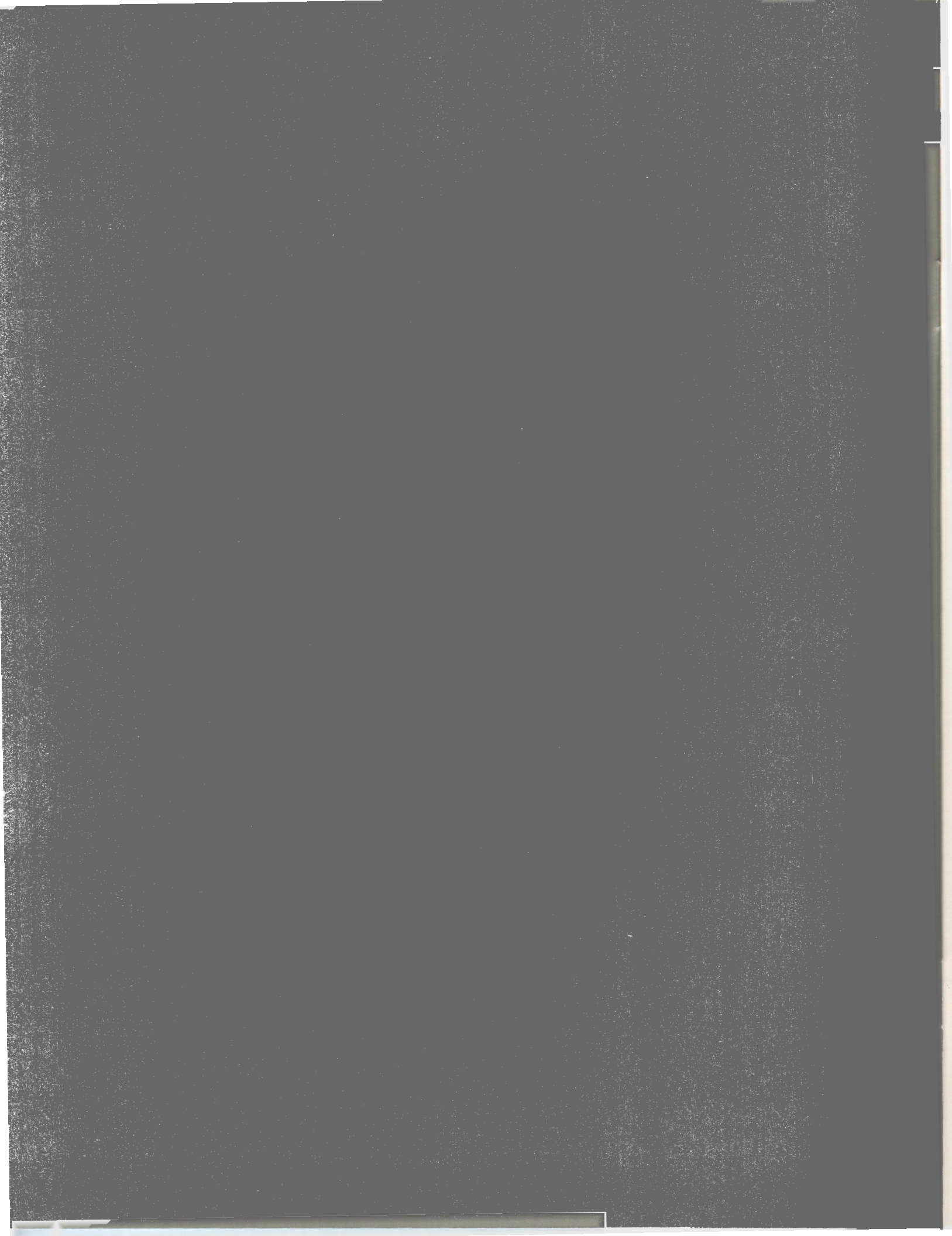


REPORTER

WELTON BECKET ASSOCIATES

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**WELTON BECKET
ASSOCIATES**

Architects and Engineers

**A MESSAGE FROM
MACDONALD BECKET**

This spring at our annual Board of Directors and stockholders meetings the Becket group of companies took some major steps to enhance our ability to respond to the changing marketplace and to our clients.

Those steps—the election of N. David O'Malley as president and CEO of Welton Becket Associates, the reorganization and expansion of Becket International and the formal structuring of our investment and project administration capabilities—recognize the increasing complexity of our business and its worldwide scope.

David O'Malley's appointment not only represents an important addition to the leadership of our executive team but it also allows me to function in a broader role with respect to both our domestic and international interests.

As chairman of the Board of Directors of the Becket companies, I will be devoting more attention to long-range policy and planning and to the coordination of all our resources. I will continue to be active internationally because of the unique opportunities and demands associated with our overseas work.

With the beginning of construction of the Great Wall

Hotel of Beijing this past March, we have already begun to chart an important course in China. This project along with increased activities in Korea, Saudi Arabia and Egypt has led to a major expansion of Becket International.

In September Corwin Vansant will succeed C.B. McReynolds as president of BI. With our firm more than 25 years, Chuck has served as director of the Los Angeles and New York offices prior to assuming his international responsibilities. He will continue to share his experience as a consultant.

Another new face to our executive team, Robert Ebbert, has been appointed president of Becket Investment Corporation. BIC is a financial partner in the Great Wall Hotel.

These appointments as well as the continuing service of so many of our employees attest to the strength and talent within our companies. Our willingness to change and grow over the years has kept us in the forefront of our profession and has also made us more valuable to our clients.

The new generation of office buildings is more responsive to users and the community as a whole.

If architecture is a reflection of society, as some suggest, then it can help us understand who we are and what we aspire to be. One of the most revealing glimpses may well be found in the workplace of the 1980's.

The workplace, like the community it is a part of, is undergoing major changes. Changing values and the infusion of new technology are creating demands that, at first glance, may appear to be in conflict.

Today's corporate owners and developers are placing increasing emphasis on the need for more organized and more efficient workspaces. Yet it is their attentiveness to the individuality and the overall quality of the office environment that is having the most visible impact on design.

The new generation of office buildings is more personal, more attuned to physical surroundings and more responsive to users and the community as a whole. Office and exterior landscaping are carefully integrated with building form. And those forms are more visually interesting, varied and at times provocative.

For Welton Becket Associates the new directions represent a refinement and extension of a long-standing philosophy. That philosophy recognizes that

human needs are as important as structural expression. Our buildings are shaped by many complex issues—not by narrow dictates. It is because we probe deeply into each project and because we have always taken a personal view of each client that fresh new forms and responsive designs emerge.

One example is Phoenix's Valley Center designed by Becket in the early 1970's. The need to provide large open spaces for Valley National Bank and to accommodate small tenants led to the clustering of three interconnected towers around a 40-story service core. The form that resulted was not only visually striking but almost sculptural in its interpretation.

Becket's 400 South Hope Building designed for the prestigious law firm of O'Melveny & Myers in downtown Los Angeles also makes its own statement. A dramatic departure from the square and rectangular forms that still dominate many city skylines, the 26-story tower now under construction is shaped as a six-sided prism. This shape is a reflection of the client's respect for the city and its people.

Perhaps, most anticipatory of the future is the 105-acre business complex which Becket designed for the Fluor Corporation. Based on a system of interconnecting "pods," this energy-conscious project reflects the unique solutions that are possible when design flows from the user's special needs and environment.



More than any other decade, architecture in the 1980's is not bound by technological constraints or convention. Its direction, particularly in the workplace, is to create more useful urban spaces that are as appealing to the public as they are responsive to clients and users.





A contemporary headquarters facility, Ore-Ida communicates its personal, yet dynamic qualities.

ORE-IDA FOODS, INC. BOISE, IDAHO

Ore-Ida's headquarters complex on an eight-acre riverside tract in Boise, Idaho, reflects many of today's priorities in low-rise office design. Completed in October, 1979, it is energy-efficient, environmentally sensitive and anticipatory of the company's future.

The frozen food subsidiary of H.J. Heinz Company, Ore-Ida sought a headquarters that would accommodate its fast-growing support services. The resulting design of six low, octagonal modules allows 50% to 100% expansion but still looks complete at any stage.

To integrate the complex with its wooded site, the exterior was covered with horizontally laid cedar planking. More than 100 tons of fieldstone recovered from the site and its nearby riverbed were used to highlight the entrance and patio areas and for stone walls surrounding the modules. The sloped walls serve as outdoor seating for employees near the lunchroom and along the walkways.

The project's energy applications are extensive. Two-story "pods" with balconies overlooking the river help shade the modules and reduce cooling. Other conservation features include limited exterior

glass, heat recovery light fixtures, vestibules and extra-insulated walls, roof, ducts and pipes.

Ore-Ida's horizontal layout, centrally located staircases and exterior courtyard paths allow employees easy walking access through the complex, limiting the elevators to just one.

Twenty-foot skylights, edged and criss-crossed with cedar beams, highlight the interior space in four modules. The skylights plus the strategic placement of horizontal window bands help reduce interior lighting needs with no section located more than 25 feet from a natural daylight source.

Cedar is also used for wall paneling, skylight beams and other interiors, conveying the ambience of a natural garden.

Responsive to the many practical requirements of the project, the overall design provides Ore-Ida a contemporary headquarters facility that communicates its personal, yet dynamic qualities.





The tower provides EPNG a new corporate image in keeping with its contemporary business outlook.

EL PASO NATURAL GAS COMPANY EL PASO, TEXAS

The new 18-story tower for El Paso Natural Gas reflects the company's commitment to its people and to the city it has been a part of for more than 50 years.

When completed this fall, the tower will enable EPNG to consolidate its widely scattered locations in a three-building complex in a major downtown location. The anchor for the complex, the tower joins the former EPNG Headquarters Building on the site and the International Building directly across from the site.

Designed to provide the company a new corporate image in keeping with its contemporary business outlook, the 420,000 square foot tower reflects the architect's attentiveness to aesthetics. To give the complex a unified look, Becket chose complementary panels of precast concrete for the tower's exterior.

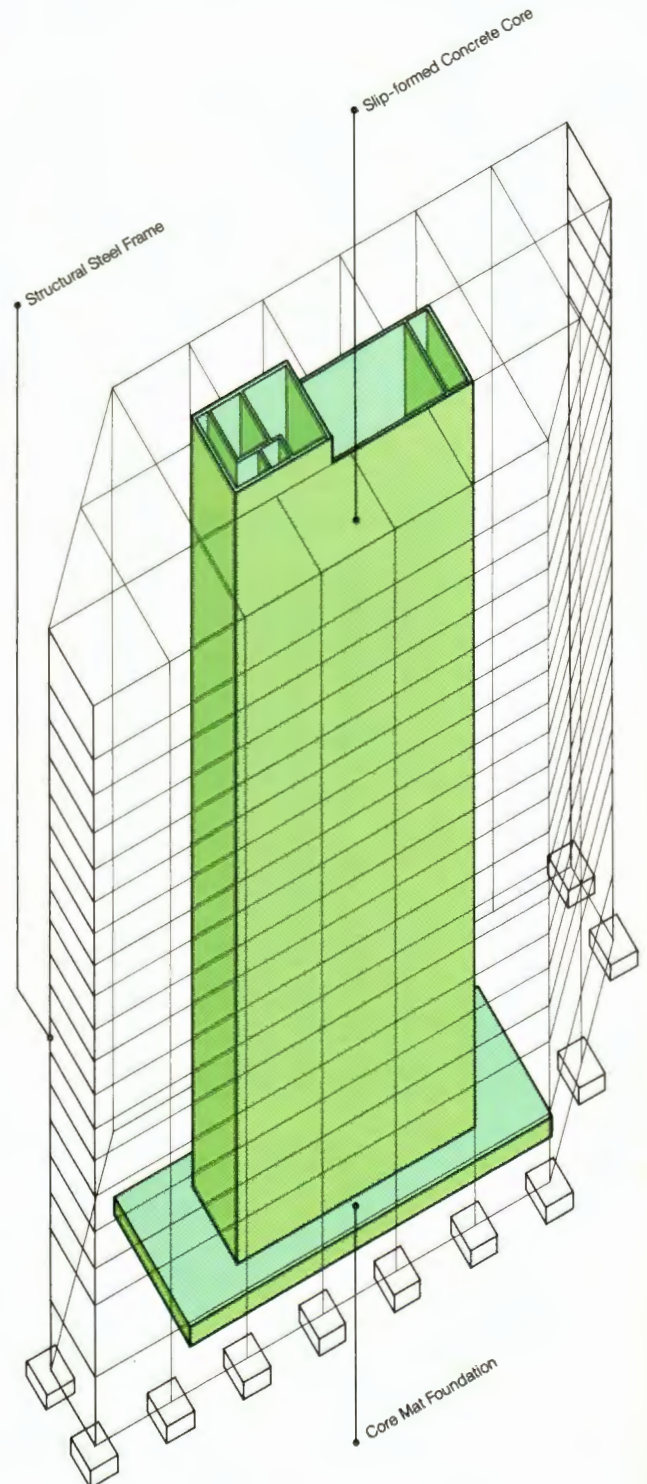
By angling two major corners of the new tower, the architects were not only responsive to the existing street grid, but were able to create an attractive new entry plaza. Lined with trees and enhanced by street pavers, the plaza leads to a glass enclosed lobby that connects the existing EPNG building and provides easy access to both structures. An open courtyard and fountain beyond the lobby complete the complex.

Also shaped by its concern for energy conservation, the new tower uses insulating glass set back from the face of the



building. The building has a computer-based automatic temperature control system in addition to efficient wall and roof insulation systems.

The construction technique ties in with the project's concern for overall efficiency. El Paso's high winds dictated a stiff structural frame. A rigid steel frame could have met this requirement, but the cost would have been much greater. By using a poured-in-place concrete core, slip-formed for ease of construction, 40% less steel was required. The schedule was also maintained since the core was built while the steel was being fabricated.



Bordering a residential area, the new wing takes advantage of views toward the existing pond and wooded surroundings.



**WARNER-LAMBERT
HEADQUARTERS
MORRIS PLAINS,
NEW JERSEY**

This 200,000 square foot addition to Warner-Lambert Company's headquarters building required a special sensitivity to the project's site and its economics.

Designed in sections of three and four stories with the new wing housing the company's data center and advanced computer facilities, the expansion brings the total project to 450,000 square feet. Also included was the enlargement and redesign of the cafeteria.

Bordering a residential area, the new wing was purposely oriented to take advantage of views toward the existing pond and heavily wooded surroundings. The design concept also included earth beams which, in combination with landscaping, screened and reduced the visual impact of the project.

To complement the brick facade of the existing structure, Becket chose precast stone and aggregate concrete panels. Reflective gray insulating glass in recessed horizontal bands was used to harmonize with existing window treatments. The project's floor

length windows provided additional interest to the corner offices as well as the exterior.

Improving the pedestrian traffic throughout the headquarters facility was also emphasized in the Becket design which called for connecting bridges, walkways and tunnels. Cobblestone curbing, in keeping with the texture of the surrounding residential area, was used extensively.

Warner-Lambert was designed and constructed in 18 months and the project cost was guaranteed early in the process. The economies and scheduling efficiencies were achieved under a design-build contract which limits the owner's liability and requires the architect and the contractor to work together as a legal entity.

For Warner-Lambert the combination of design-build and Becket's responsiveness to aesthetics and people issues produced an expansion building that successfully meets the client's many needs.



The elegant First Baptist Church adjacent to the site influenced the design's aesthetic direction and openness.

INTEGON WINSTON-SALEM, NORTH CAROLINA

Integon's new 18-story corporate headquarters combines pragmatic and aesthetic disciplines in a multi-faceted building that reinforces the company's prominent position in its community and in the business world.

The unusual configuration of the 326,000 square foot structure was derived from its site influences and the client's emphasis on open office planning and energy conservation. Becket provided full architectural services for Integon, one of the nation's largest insurance companies.

Located at the highest elevation in the city's financial hub, Integon was designed with consideration for its impact on the Winston-Salem skyline as well as its immediate neighborhood.

The elegant First Baptist Church adjacent to the site influenced the design's aesthetic direction and openness. More than 40 percent of the site is devoted to public space, including a landscaped plaza created by the building's setback at the main entry. This setback not only respects the church but invites its participation in the composition. Expressed as a 45 degree "sawtooth," the north wall presents a surface to the church that is more in scale and creates an exciting variety of reflections.

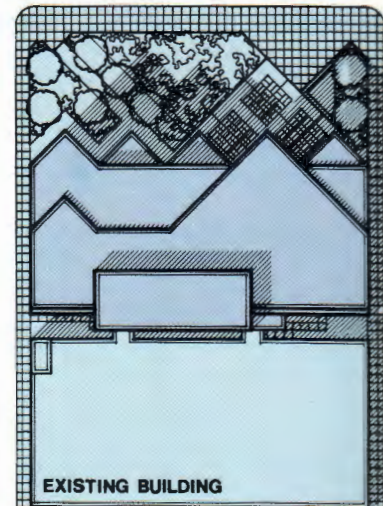
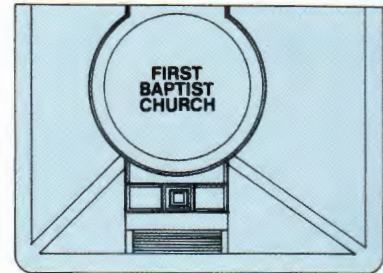
The angle also works naturally with the office landscape system, providing interior views that are superior to those achieved by a flat facade.

The treatment of the south wall was guided by the need to conserve energy and to establish a compatible and efficient relationship between the new addition and the existing six-story office building. By positioning the elevator core at the south face of the building, Becket was able to facilitate communication and mobility between the two structures. Finished in carnelian granite and tinted insulated glass panels, this wall offers an interesting contrast to the other facades.

Arranged to express the structure of the building, the east and west walls are primarily solid surfaces faced in alternating polished and honed granite. Narrow vertical windows were selected because the sun angle to the east and west is difficult to shield.

Just as attentive to the building interiors, Becket emphasized open office planning for flexibility and better communication among employees. Illumination is provided by natural daylight and task ambient lighting which moves with work stations to provide greater variety to employee spaces.

In all its facets, Integon's new headquarters projects a strong, growth-oriented company which is prepared to meet the challenges of the 1980's and beyond.





PROJECT HIGHLIGHTS

L'ELYSEE LOS ANGELES, CALIFORNIA

This fall is the anticipated completion date for this 19-story luxury condominium with underground parking for 245 cars. Located on fashionable Wilshire Boulevard, L'Elysee will provide 108 two-bedroom units plus a luxurious penthouse. The design features large balconies, high ceilings and spacious rooms ranging from 1600 to 2000 square feet.

MISSION BAY RAMADA MISSION BAY, SAN DIEGO, CALIFORNIA

Mission Bay Ramada consists of a two-phase, 650-room Ramada Renaissance Hotel and Jack Kramer Tennis College. The first phase includes 450 guest rooms, a 2-story central activities building, the tennis college and two restaurants. The owner for the project is Mission Pacific Associates, a joint venture of Ramada San Diego, Inc. and ZRD Development, Inc.

BEVERLY CENTER LOS ANGELES, CALIFORNIA

This landmark eight-story, 2.5 million square foot urban shopping center, now under construction, exemplifies the newest form in regional retail development. It will incorporate ground floor commercial space, two major department stores, four levels of integral parking for approximately 2,900 cars and over 100 shops and restaurants around a three-level atrium mall. La Cienega Associates is the owner/developer for the project slated to open in November, 1981.

THE STEEL PLAZA PITTSBURGH, PENNSYLVANIA

Recently renamed "The Steel Plaza," U.S. Steel's complex will consist of the 54-story Dravo Tower, a first-class hotel, a possible second office building, condominium apartments, a multi-story parking garage and a health club. The Becket-designed tower is currently under construction with first occupancy expected in spring, 1983.

AKHENATON VILLAGE MALLAWI CITY, EGYPT

Located on the east side of the Nile River, this Pharaonic style tourist hotel will be convenient to some of the world's most important archaeological sites. To be built in two phases, the first phase will consist of 100 rooms on two floors attached to the main complex and a cluster of forty chalet rooms. The MISR Hotels Company is the owner/operator.

LAFAYETTE CENTRE WASHINGTON, D.C.

This multi-use complex recalls the tradition of Washington D.C. Offering such amenities as a block-long pedestrian plaza and arcade, the design uses brick as a unifying element. Being developed in two phases by Farr-Jewett & Associates, Inc., Lafayette Centre will eventually include three office buildings, a hotel, 100,000 square feet of shops and services and three levels of underground parking. It is now in the design development stage of Phase II.

TISHMAN WARNER CENTER WOODLAND HILLS, CALIFORNIA

This 11-story office building on an 8-acre site in Los Angeles opened this spring. The exterior is faced with precast thin-shell polymer concrete panels alternating with horizontal bands of bronze reflective

glass. These panels form protective overhangs that reduce solar heat load. Tishman West Management Corporation is the owner/developer.



PALACE HOTEL LAKE BUENA VISTA, FLORIDA

To begin construction this summer, Walt Disney World's newest deluxe hotel has been designed as a modern castle complete with towers, turrets and a moat. Slated to open in late 1982, the hotel is located on a 27-acre site between

Lake Buena Vista and the Walt Disney World Village Complex. The project is being developed by a joint venture of the Buena Vista Fund Ltd. and the Equitable Life Assurance Society of the United States.

**SOCIAL SECURITY
ADMINISTRATION
METRO WEST BUILDING
BALTIMORE, MARYLAND**

The 1.4 million square foot office building is a gateway project west of downtown Baltimore where Interstate 170 enters the city. Located on an 11-acre site, the building which straddles both sides of the

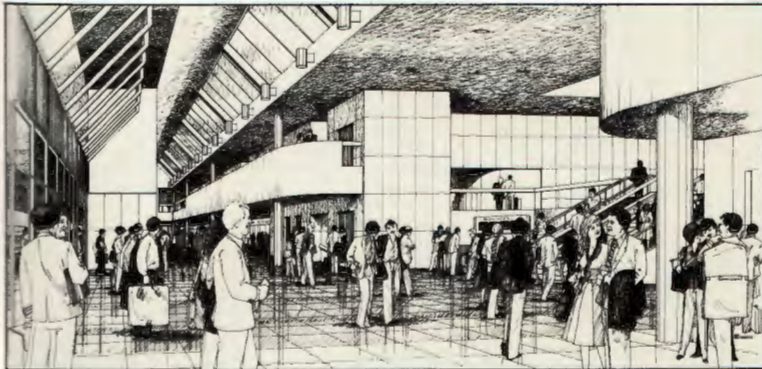
highway is interconnected by a 2-story bridge link. In addition to providing a scenic view, the glass and painted steel bridge offers such amenities

as a post office and civil services. The design includes the north building group consisting of a 14-story tower and a 5-story low-rise building, the south building features a 4-story entrance atrium of brick and glass.



**ONE WASHINGTON PARK
NEWARK, NEW JERSEY**

Tying Washington Park and the surrounding buildings downtown together, this 17-story building will be located on a one and a half acre site. The 390,000 square foot building will feature a brick and glass facade with beveled corners. Included are office and retail space, loading dock facilities and on-site parking.



**TERMINAL ONE
LOS ANGELES
INTERNATIONAL
AIRPORT**

This 370,000 square foot terminal—the first new domestic facility at the airport in 18 years—will begin construction in January, 1983. Terminal One incorporates extensive sky-

lights in its T-shaped design which will provide travelers the shortest walking distance of any terminal at LAX. The terminal is scheduled to open in late 1983.



**E.A. JUFFALI AND
BROTHERS
HEADQUARTERS
JEDDAH, SAUDI ARABIA**

This 18,000 square meter building will house the parent company and seven joint venture companies. Only seven stories, the building could not exceed the height of one of

the King's palaces in the immediate area. The design is based on a two-part scheme with two major building components (each five stories high) connected by an atrium.

NOTES

MacDonald Becket was among 200 outstanding leaders honored April 25 at a Los Angeles Bicentennial Gala hosted by Metromedia, Inc. The honorees were nominated by members of the press who were asked to select achievers who have risen to the top of their professions. The second recognition this year for his contributions to Los Angeles, Becket was singled out earlier by the City's Human Relations Commission.



N. David O'Malley, AIA, recently-named president and chief executive officer of Welton Becket Associates, brings more than 20 years experience to his new post. Prior to joining Becket in 1979 as senior vice president, O'Malley headed his own firm, O'Malley and Associates, Inc. His career has included the post of designer and director of Gruen Associates' Maryland office. O'Malley has won numerous awards, including the

American Institute of Architect's Certificate of Merit. He was a lecturer and a Loeb Fellow of Advanced Environmental Studies at Harvard University Graduate School of Design where he specialized in real estate economics and urban design.

Groundbreaking ceremonies in China this past March marked the beginning of construction for the Great Wall Hotel of Beijing. Becket International is the architect for the 1,000-room hotel project and Becket Investment Corporation is a joint venture partner. The event, attended by more than 800 officials and construction workers, included a giant ribbon cutting ceremony. Also shown turning over the first dirt (left to right) are Chen Muhua, Chinese Vice Premier; MacDonald Becket, Zhuang Yanlin, head of the General Administration of Tourism and Travel in China and C.B. Sung, president of E-S Pacific Corporation.



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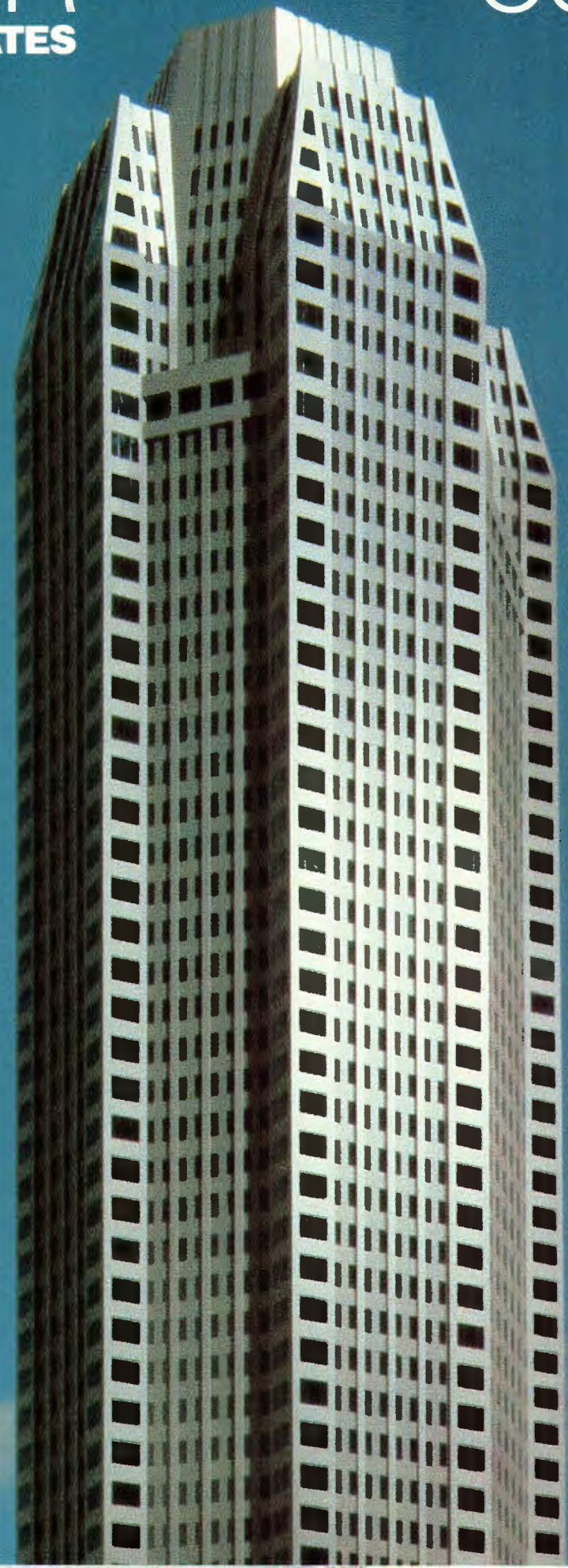
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REPORTER

WELTON BECKET ASSOCIATES

80-2



Cover:
Dravo Building
Pittsburgh, Pennsylvania



**WELTON BECKET
ASSOCIATES**

Architects and Engineers

**A MESSAGE
FROM THE PRESIDENT**

If this first year of the new decade is any indication of what's ahead for Welton Becket Associates in the 80's - and I believe it is - we can look to the future with great pride and optimism.

The year just ended not only represents a record in the volume of projects placed into construction - estimated in excess of \$600 million - but also in their significance. Becket projects literally span the globe from China and the Middle East to every region of the United States.

Consider just a few recent examples: the Washington Convention Center in our nation's capital; Pittsburgh's 54-story world headquarters for the Dravo Corporation, a joint venture with U.S. Steel; the corporate headquarters for the prestigious law firm of O'Melveny & Myers in Los Angeles' downtown Bunker Hill; the Tropicana Hotel/Casino in Atlantic City and the Great Wall Hotel of Beijing.

What does this work say about our firm? Certainly, it attests to the design excellence with which WBA has long been associated. Few firms can match the scope of our work, from major hotels and corporate headquarters to convention centers, retail complexes and public buildings.

Our broad design capabilities enable us to go anywhere in the world and undertake virtually any kind of project. Among the projects currently in design are a new commuter terminal for Los Angeles

International Airport, the Navy Regional Medical Center in San Diego and the Sheraton Luxor Resort Hotel which will be built on the east bank of the Upper Nile in Egypt. The ambitious restoration of the California State Capitol further illustrates our versatility.

One of the most satisfying and exciting aspects of our work this year has been in our breakthrough in China. Not only are we among a handful of architects in this part of the world, but under our affiliate, Becket Investment Corporation, we are charting a new course as a joint venture partner with the Chinese government.

This new course involves the development, operation and management of a major 1,000-room hotel soon to begin construction in Beijing. We have already begun to move in this direction in our own Colorado Place, the firm's new corporate headquarters in Santa Monica which will be part of a unified development of one million square feet when it is completed.

No matter what pattern of growth we take, Welton Becket Associates will always be associated first and foremost with design excellence. The 1980's affords us an opportunity to build on that tradition and to contribute in a substantive way to the future. I intend to take advantage of that opportunity with your help and support.

My very best to all of you and your families during this holiday season and throughout the new year.

Walter Becket

We bring no preconceived styles or notions to a project — only a commitment to create a building that will endure.

Architecture builds a world in three dimensions. Innovation adds a fourth — the dimension of time.

Ultimately all architecture is judged by this dimension. Not just on the reactions it evokes at first blush but on how the building looks, feels and functions many years into the future.

More than an unusual building shape or collection of current forms, innovative design is the result of the architect's vision as both an artist and a problem-solver.

At Welton Becket Associates each of our buildings is born out of the problems it solves. We bring no preconceived styles or notions to a project — only a commitment to create a building that will endure aesthetically, functionally and financially.

Sometimes the solid, established solutions work best; at other times new ideas and fresh thinking are demanded. Both exert their influence on the overall design and may even determine whether a project moves forward.

The Hyatt Regency at Dallas is most celebrated for its sculptured mirrored facade. Far less visible is its unique structural bracing system — a giant technological leap — and the firm's imaginative master planning that literally paved the way for this massive urban development. Yet it is the interplay of all three elements that makes the project innovative.

Still another dimension of innovation is seen in Kaiser Center. Its lakeside site in Oakland's inner city not only helped revitalize the surrounding neighborhood but produced a design solution that forcefully communicates the strength, growth and scope of the corporation even today. And in its usual thoroughness, Becket extensively researched all the client's products and incorporated many of them.



Few buildings in this country have withstood the test of time as well as Becket's Prudential Square built in the 1940's. Like Kaiser, its site was visionary but for different reasons. It anticipated and, in fact, spurred the creation of a new business center in Los Angeles' mid-Wilshire corridor which is still flourishing and vital. A pioneer in American office design, Prudential retains its contemporary spirit alongside buildings far more recent.

As evidenced by the work discussed in this Reporter, Becket has already begun its search for tomorrow's answers. Like their predecessors, the architecture is as individual as the client. Each building is designed to solve specific problems and to be judged by the standards of the future.



Boldly assertive in its grasp of modern building technology, the Civic/Exhibition Hall achieves a dramatic 240 foot span of column free space.

WASHINGTON CONVENTION CENTER WASHINGTON, D.C.

Washington D.C. is a city in which history lives side by side with the promise of the future.

The new convention center now under construction in the nation's capital is part of that reflection. Although inherently monumental – some 800,000 square feet – the Center is able to blend with the fabric of the city while anticipating its many divergent needs.

Just five blocks from the White House in the heart of the city's shopping area, the convention facility will occupy a 9.7 acre site when it is completed in 1983.

Planned on two levels with the major spaces at the upper level, the 75 foot high center is composed of four halls which can be adapted to expositions, conventions, trade shows, banquets, small meetings and even sports events. Although separate, several of the halls as well as the two public lobbies can be combined when desired. In this way, the building meets every convention need.

Boldly assertive in its grasp of modern building technology, the convention facility achieves a dramatic 240 foot span of column free space and 39 foot height in its Civic/Exhibition Hall.

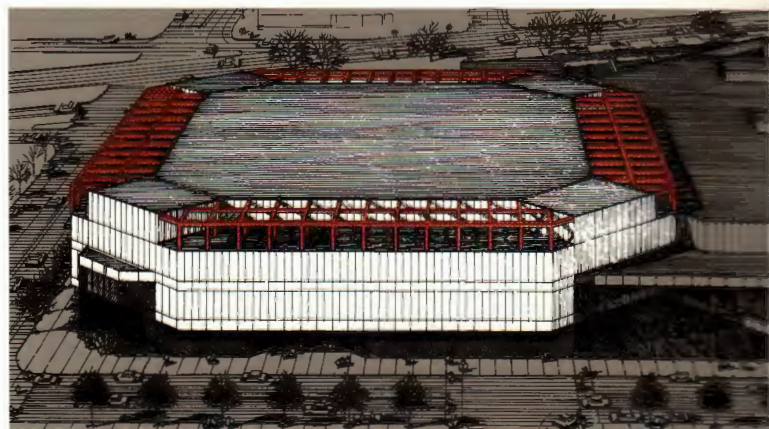


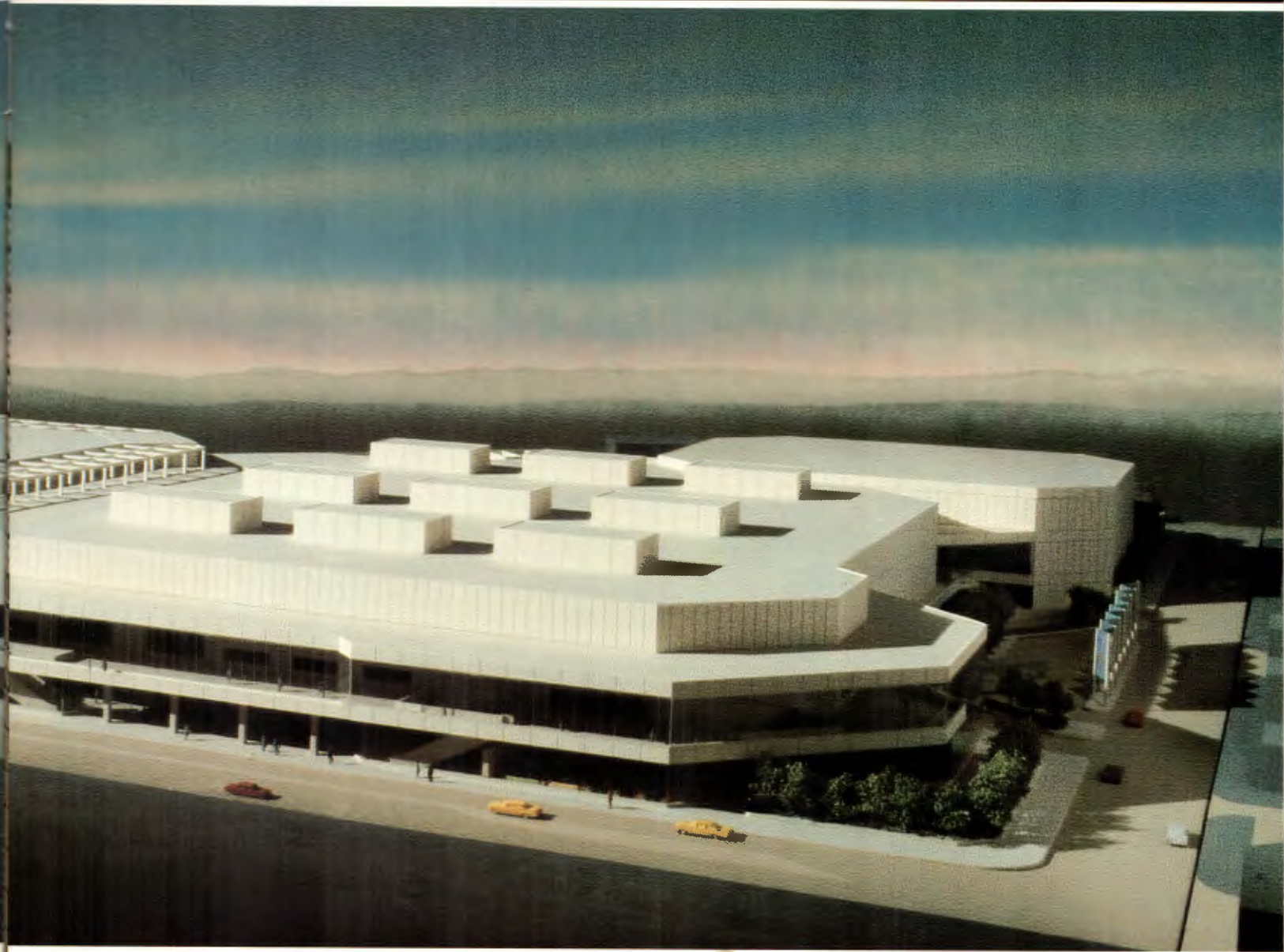
The first bolted vierendeel truss system of 14 foot depth ever used in a major convention center creates this breathtaking space. Acting as a rigid framework to support the loads overhead, the trusses are combined in two directions instead of one. They are fabricated from 14 inch tubes.

This strong design is also expressed on the building's exterior, lessening the massiveness of the Center and providing visual interest.

The facade is enhanced by warm-colored fluted concrete panels and exposed structural steel. Major expanses of tinted gray glass along the Center's main elevations enable pedestrians to participate in the festive nature of the convention activity. Parts of the lobby entrance are open to the level above, allowing light to fill the two-story space while dynamically pulling the visual movement upwards.

Because of its integral design emphasis and structural innovations, the Washington Convention Center provides the nation's capital with a functional multi-purpose facility which can only add to the city's stature and economic vitality.





The trim and elegant tower will rise 712 feet in defiance of tornado-force winds.

CITIES SERVICE'S COMPANY TULSA, OKLAHOMA

Cities Service's new headquarters building is destined to be a landmark in the Tulsa skyline.

Trim and elegant, the 52-story tower will rise 712 feet in defiance of tornado-force winds to become Oklahoma's tallest building.

To deal with nature's adversity, Becket has employed a unique structural solution never before used in so tall a building — bracing with steel plate shear walls in the core. By coupling steel plates with two-story outrigger trusses that engage the exterior columns at mid-height, the base of the core is effectively broadened to resist wind loads.

This structural system was dictated by the building's design which precluded use of the more common tubular frame. Rectangular-shaped with a typical floor area of 30,000 square feet, the tower has curved ends

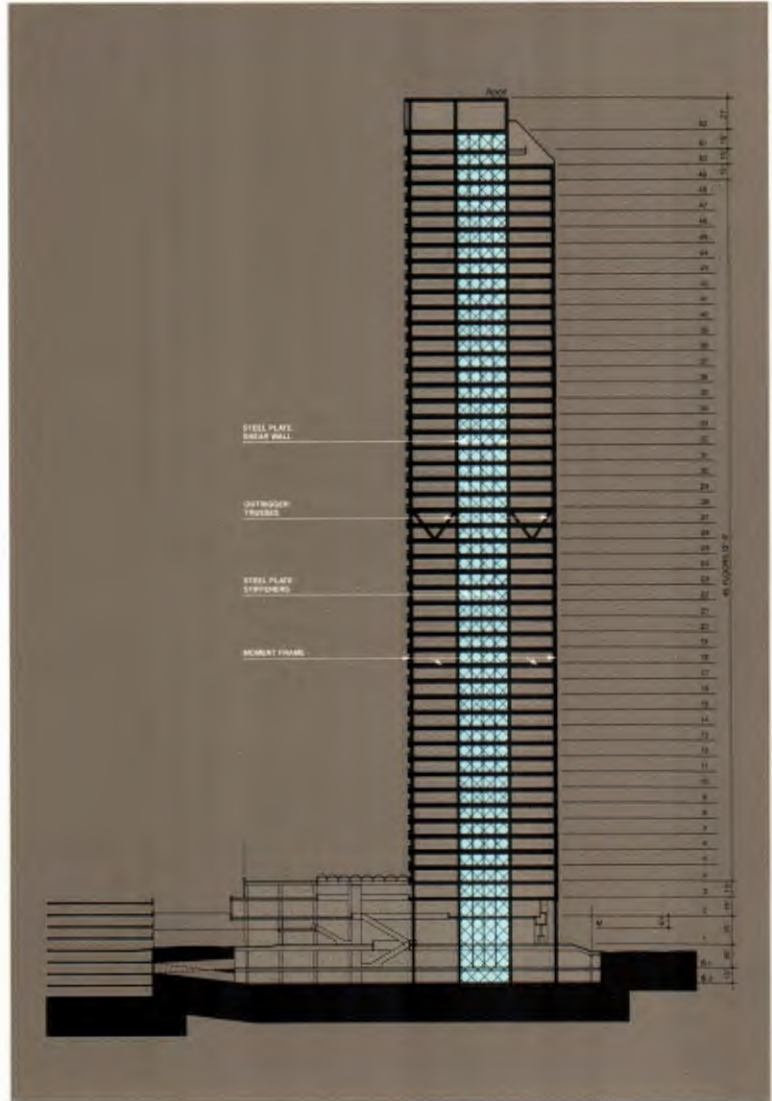
all the way from top to bottom to visually reduce its 1.5 million square feet mass. This shape also provides the client with opportunities for open space planning and achieving good functional relationships.

Sheathed in polished carmelian granite and bronze glass, the facade relates well to the surrounding older brick masonry buildings. And the tower's contemporary form provides a visual link from the old to the more modern structures.

A skylight atrium located between the tower and the ancillary structure creates an appropriately-scaled lobby and entrance. A second atrium at the 50th floor of the tower adds prominence to the executive levels.

The design also features such energy-saving systems as heat-reflecting glass, shading devices and energy-efficient lighting. To aid in energy conservation, the building's ventilation, heating and air conditioning will be controlled by a computer automated system.

In all its dimensions the Cities Service headquarters projects the client's future image while echoing their established reputation.





Dravo's design eliminates the need to add structural steel to achieve the stiffness inherent in earlier masonry skyscrapers.

DRAVO BUILDING PITTSBURGH, PENNSYLVANIA

The 54-story Dravo world headquarters now under construction in Pittsburgh looks to the future while celebrating the past.

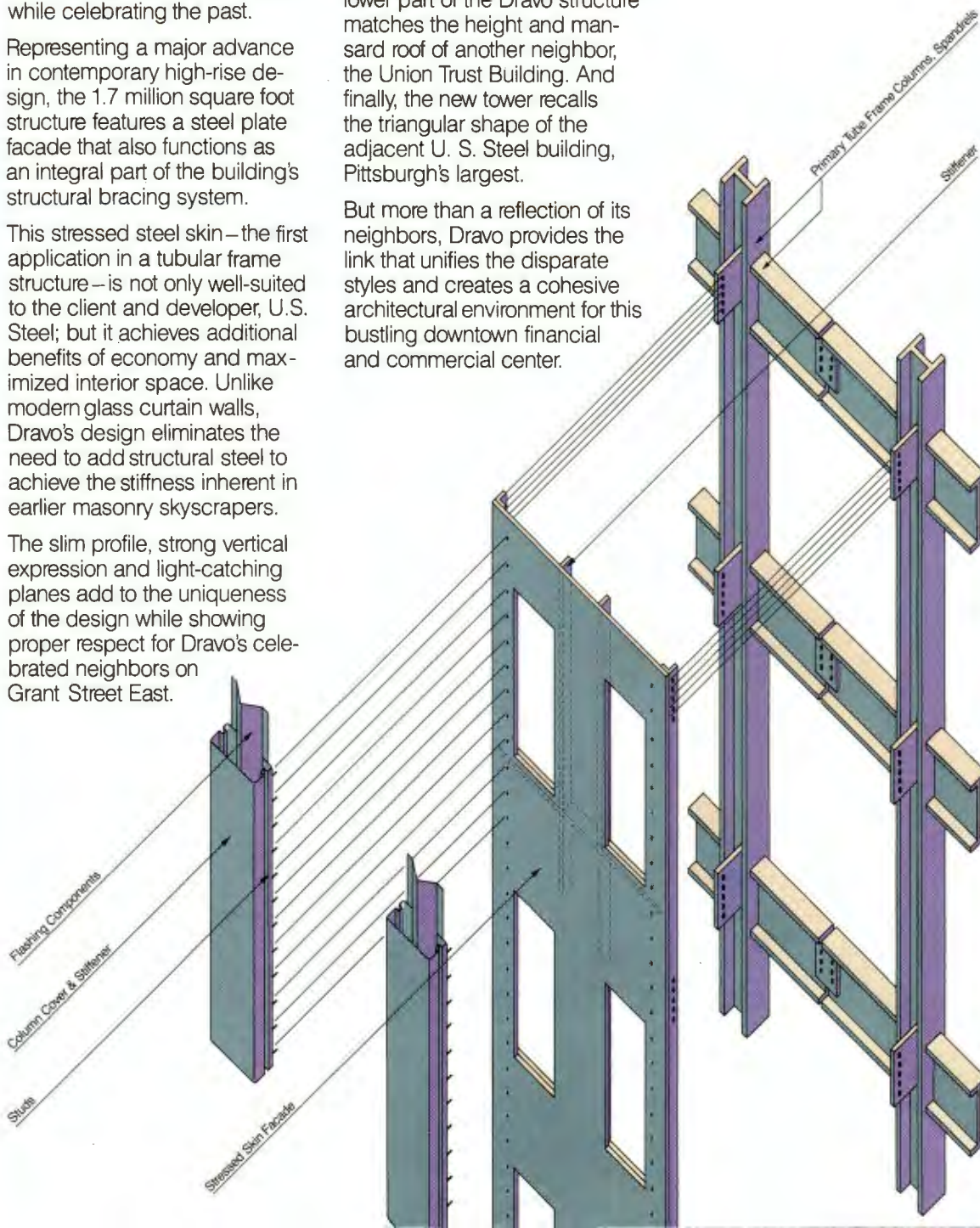
Representing a major advance in contemporary high-rise design, the 1.7 million square foot structure features a steel plate facade that also functions as an integral part of the building's structural bracing system.

This stressed steel skin—the first application in a tubular frame structure—is not only well-suited to the client and developer, U.S. Steel; but it achieves additional benefits of economy and maximized interior space. Unlike modern glass curtain walls, Dravo's design eliminates the need to add structural steel to achieve the stiffness inherent in earlier masonry skyscrapers.

The slim profile, strong vertical expression and light-catching planes add to the uniqueness of the design while showing proper respect for Dravo's celebrated neighbors on Grant Street East.

The eight-sided tower is so scaled and faceted that it echoes the towers and turrets of H. H. Richardson's historic courthouse which borders the site. The sloped top at the lower part of the Dravo structure matches the height and mansard roof of another neighbor, the Union Trust Building. And finally, the new tower recalls the triangular shape of the adjacent U. S. Steel building, Pittsburgh's largest.

But more than a reflection of its neighbors, Dravo provides the link that unifies the disparate styles and creates a cohesive architectural environment for this bustling downtown financial and commercial center.





PROJECT HIGHLIGHTS

NAVY REGIONAL MEDICAL CENTER SAN DIEGO, CALIFORNIA

Thirty-five percent of the construction document phase has been completed on the replacement facility for the Navy Regional Medical Center by the joint venture of Welton Becket Associates, Hugh Gibbs and Donald Gibbs, Architects, A.I.A., and Syska & Hennessy, Inc. The project calls for a 560-bed teaching hospital of approximately 1.2 million sq. ft. including an outpatient department with 31 clinics; light care facility; central energy plant; and laundry with other support facilities.

TISHMAN MIDVALE LOS ANGELES, CALIFORNIA

Located on a 1.2-acre site close to the UCLA campus, this structure will consist of a subterranean parking garage for 581 cars and an 18-story octagonal office tower. Construction is expected to be completed by June 1981.

MOTOROLA COMMUNICATIONS DIVISION MANAGEMENT OFFICE BUILDING SCHAUMBURG, ILLINOIS

Expansion of the Communications Division's offices at the 325-acre Motorola campus necessitated this addition. The six-story, 344,374 sq. ft. building, near completion, blends with the established style of the campus. Included in the new facilities will be a five-story atrium, lobby, cafeteria, conference/meeting rooms, training facilities and office space.

BEVERLY CENTER LOS ANGELES, CALIFORNIA

This eight-story, 2.5 million sq. ft. urban shopping center is now under construction. It will incorporate ground floor commercial space, two major department stores, four levels of integral parking for approximately 2900 cars and over 100 shops and restaurants around a three-level atrium mall.

TROPICANA HOTEL/CASINO ATLANTIC CITY, NEW JERSEY

Ramada's 521-room Tropicana luxury hotel/casino/resort/convention complex now under construction is located on 3.9 acres of Boardwalk-front property. The project includes a 48,000 sq. ft. casino, 1600-seat theater/showroom, four restaurants, four cocktail lounges, grand ballroom, meeting and exhibition rooms, six-story atrium, shopping arcade and additional public spaces.

DANVILLE CIVIC CENTER DANVILLE, ILLINOIS

The 4000-seat center completed this last fall is a one-story facility accommodating ice hockey, basketball, ice shows, circuses, exhibitions, theater and concerts. Also included are administrative offices, meeting rooms, the city of Danville Recreation Department administrative office and other various special program facilities.



PLAZA LA REINA LOS ANGELES, CALIFORNIA

On a 23-acre site near Los Angeles International Airport, the first phase of this two-phase project is scheduled for completion in 1981. Phase I includes a 14-story Sheraton hotel with 821 rooms; a 12-story,

230,000 sq. ft. office tower; a 200-car parking structure; and additional surface parking for approximately 2000 cars on an adjacent 14.5-acre lot. The second phase of construction includes an 11-story, 230,000 sq. ft. office tower.



INTEGON HEADQUARTERS WINSTON-SALEM, NORTH CAROLINA

The just completed, 18-story building in the central business district provides 366,000 sq. ft. of space — much of it flexible — for the company's anticipated growth. The new structure con-

nects with each of the six levels of the existing Integon building located directly to the south. A 75,100 sq. ft. public plaza on the northern edge of the property will be surfaced in granite to relate to the new granite and glass-faced tower.



**MORRISON-KNUDSEN
BOISE, IDAHO**

The three-structure expansion of the company's headquarters complex includes two office buildings and a parking garage.

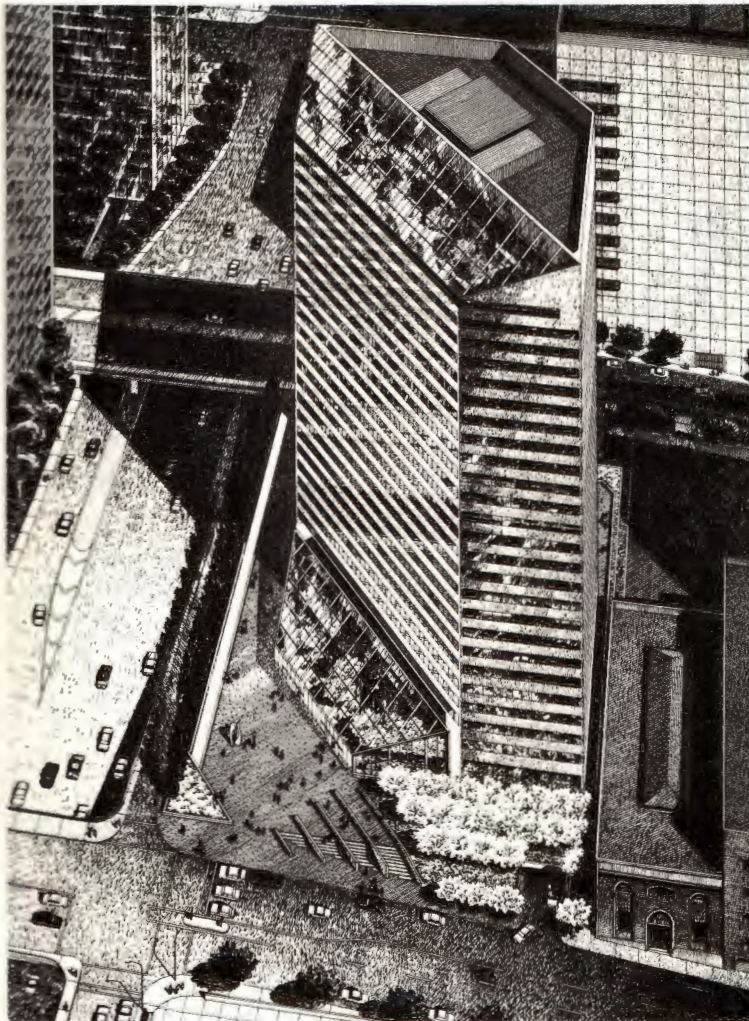
Now under construction, this 400,000 sq. ft. project will become part of a master plan encompassing the entire 32-acre site. The complex is slated for completion in 1982.



**SHERATON LUXOR HOTEL
LUXOR, EGYPT**

Construction documents have just been completed for this 416-room, Sheraton Luxor resort hotel to be located at the northern end of Luxor's hotel strip. Close to the temples of Karnak and Luxor, the hotel will

feature a 27,578 sq. m. fully air-conditioned facility with two six-level guestroom wings overlooking the Nile. The hotel will include all the amenities of a first-class deluxe international hotel. Construction is to begin in early 1981.



**400 SOUTH HOPE STREET
LOS ANGELES, CALIFORNIA**

As part of the Bunker Hill redevelopment area of Los Angeles, this 26-story office building began construction in October. The six-sided tower with underground subterranean

parking is oriented 45 degrees to the site to take full advantage of the view and the northern exposure. Two glass roof areas are featured in the design. Clients for the project are O'Melveny & Myers and Olympia & York.



**EL PASO NATURAL GAS
EL PASO, TEXAS**

Now under construction, the downtown office headquarters for EPNG is 18 stories and 420,000 sq. ft. The building, approximately 50% complete,

features a slip-formed concrete core, precast concrete panels and insulated glass. A 50-ft. long, glassed-in galleria connects the tower with an existing administration building, serving as the common lobby for both.

NOTES



Alan Rosen, senior vice president and director of the Los Angeles office, has been elected to the Board of Directors of the Construction Industries Alliance for the City of Hope. He also was a faculty member/presenter at the California Council American Institute of Architect's second annual Business/Financial Management Conference. Rosen currently is involved in the formation of the Los Angeles Council of the National Institute of Building Sciences. Also he has recently been elected to the Board of Directors of the Los Angeles Chapter of the A.I.A.



Lou Naidorf, senior vice president/director of design for the Los Angeles office was the chairman of the L.A. 1980 A.I.A. Design Awards Committee, in addition to serving on their nomination committee, fellowship committee and the committee to seek new quarters. Currently appointed to the Mayor's Bicentennial Committee, Naidorf also finds time for a variety of UCLA activities including teaching a class in presentation.

MacDonald Becket, president of Welton Becket Associates, is the first architect to be singled out for a Bicentennial Salute by the City of Los Angeles.

The award was presented by the Human Relations Commission at City Hall ceremonies kicking off Los Angeles' celebration of its 200th birthday.

Welton Becket Associates hosted a nine-member delegation of Chinese construction officials and architects during a recent trip to the United States. Here to study American technology, the delegation visited various building and manufacturing sites in the New York area, flew to Dallas to see the Becket-designed Hyatt Regency and concluded their stay in San Francisco. The delegation was headed by Zhisun Tong, deputy director of the Beijing Municipal Construction Bureau which will share construction management responsibilities for the Great Wall Hotel, Becket's first 1,008-room hotel joint venture in China.



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