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New England Architect, which appears this month for the first time, is an outgrowth of responses to many changes that have occurred since we started publishing the award-winning Granite State Architect several years ago, and more recently since the introduction of Bay State Architect.

The primary purpose of both magazines has always been to serve the profession of architecture and the allied fields of construction and design. Now we hope to increase our effectiveness by addressing ourselves to a larger regional audience; by showing how architects in nearby states are solving common problems and what architects from neighboring states have "on the boards" or "in the works" locally.

For example, among the winners announced this month in the 1970 Library Buildings Award Program (sponsored jointly by the American Institute of Architects, the American Library Association and the National Book Committee) were a facility in Andover, Mass., designed by a Rhode Island architect, and a library in Pomfret, Conn., designed by a Massachusetts firm. Elsewhere in New England, two New Hampshire architects have been designing schools in Vermont and private homes in Maine; one Connecticut firm has been specializing in 'open concept' buildings in New Hampshire, while several Vermont and Maine architects have been designing ski lodges and office complexes in neighboring states.

In short, Granite State and Bay State architects, like those in other areas, have achieved a level of mobility that has made it increasingly difficult to serve them adequately on a statewide basis. Obviously there is a larger market for their services — among city officials, religious groups, banking and industry interests and school boards — beyond the state line in other parts of New England.

Each issue of the New England Architect — like the Bay State Architect which it supersedes — will feature projects executed by architects in six New England states. Descriptions of the projects will include floor plans, photographs and text describing pertinent aspects of construction, such as site challenges and client requirements. It will also include editorial material reflecting the role of the architect in civic affairs and his position on matters affecting public health and welfare.

Circulation will encompass all architects registered in New England together with engineers, state and municipal officials, school boards, church groups, contractors, builders, suppliers and others involved in architectural design and construction.

Very few projects represent remote and isolated happenings of interest only to other architects. In fact, many of the requests received for additional information on buildings that have appeared in Granite State Architect and Bay State Architect have come from potential clients, rather than architects. It is a response we shall continue to encourage.

James F. Walsh
PUBLISHER
What do your clients need when the power fails?

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Business Designers Form New England Chapter

The working relationship between architects, space planners and interior designers was discussed by Cambridge architect Earl R. Flansburgh as the featured speaker at the first organizational meeting of the newly formed New England Institute of Business Designers.

More than 100 area designers and tradesmen attended the meeting which was held on March 12 at the John Stuart Showroom at 90 Berkeley Street in Boston.

Mr. Flansburgh spoke of the common interests shared by architects, space planners and interior designers in handling the complexities of business requirements to fashion space in a manner that will provide a better working environment. His talk was followed by a question and answer period.

An executive committee formed by local business designers and tradesmen has been meeting on a bi-monthly basis for the last nine months to draft a complete constitution and by-laws to develop a full program for the new professional organization. Joe Perry, of the Boston Desk Co., Newton Highlands, has been acting chairman. A formal election of officers is planned shortly.

Plastic in Architecture Program at MIT

A Special Summer Program devoted to "Plastics in Architecture" has been scheduled (June 29 through July 3) at Massachusetts Institute of Technology to explore one of the newest, fastest growing and most rapidly diversifying aspects of building materials and building technology.

The principal forms, including molded objects, foams, film and sheet, composites including reinforced plastics, laminates, and sandwiches, and thermoformed shapes will be presented. Used as adhesives, sealants and gaskets, the many non-structural uses in building components, and structural and semi-structural will be considered, with examples to illustrate.

Mechanical Contractors

The Mechanical Contractors Association of Boston has enlarged its jurisdiction to include all of the states of Massachusetts, Rhode Island, Vermont, Maine and New Hampshire. The expanded association will be known as the New England Mechanical Contractors Association.

Approval of the request of the (Continued on page 28)
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April, 1970
Duplkon Addition
Westboro, Mass.

Peirce & Pierce Architects, Boston
THE site of the plant addition designed by architects Peirce & Pierce of Boston for the Duplicon Division of the Xero Manufacturing Corporation is at the top of a prominent hill at the intersection of Route 495, Boston's outer belt highway, and Route 9, the Boston-Worcester Turnpike. There are superb views to the east and south.

The program called for a new toolmaking facility, connected to the main plant, and for the most attractive working environment possible, in the eyes of management, an important factor in attracting and holding skilled toolmakers, essential to the company's continued growth.

Because of the extraordinary views from the site, the company wanted as much window area as possible, and the entire south and east walls are opened to the view. Contrasting with these, the north...
Washrooms and service spaces are ranged along the north wall.

Employees' entrance is readily accessible from parking area.

Structural system consists of long span steel joists on a structural steel frame.

Initially the company had asked for a conventional ceiling of acoustical panels in a suspended grid. The baffle system as finally worked out by the architects and the company provides the "look" of a ceiling, but with direct access to the services above. The lightweight baffles rest on the bottom chords of the steel joists and can be easily moved aside.

Window areas are glazed with gray solar glass set flush in steel frames. For additional solar control, the roof structure is extended.
For additional solar control, the roof structure is extended beyond the glass to form an overhang and enameled white louvres are set in panels between the columns.

The structural system consists of long span steel joists (providing a clear span over the shop) on a structural steel frame. Wide flange columns on the outside of the building are left exposed and finished in a white enamel. Inside, the steel framing and metal roof deck above the baffle system are left unpainted.

General contractor was Hollett Building Corporation, Wakefield; structural engineer, Souza & True, Cambridge; steel fabricator, Security Steel & Wire Works, Inc., Tewksbury.
Seaside Residence
Cape Elizabeth, Me.
THE site of the seaside residence designed by Donald Jasinski of Hampton Falls, N.H., is a four-acre ledge jutting out into the Atlantic Ocean at Cape Elizabeth, Maine. Dramatic and spectacular, it is exposed and vulnerable, as well; the stately cedars that line its crest are whipped each winter by fierce, gale-force winds.

Obviously, the house will have to be "as tight as a ship," says Jasinski, who has virtually wrapped the entire oceanside of the first floor, including all the exterior walls of the formal living area, in more than 200 feet of solar bronze glass. ("It wasn't feasible to use glass..."
so extensively in seashore houses before the advent of our modern sealants," he noted.)

The floor-to-ceiling sheets in the glass-to-glass installation will vary in width from one to eight feet, interrupted at various points with thin steel plate columns for roof support.

Throughout the house, there are no conventional box-shaped rooms. ("No one would force his foot into a square box shoe. Why should we continually design boxes for our psyches?"") Instead, Jasinski seems to have mentally transported all members of the client's large family to the site of their future home, and while each of them was exploring its potential and defining its future in terms of the family environment that is uniquely theirs — he simply designed the house over and around them.

Dominating the main living area on the first level is a large circular area with a huge fireplace. This was designed for informal gatherings. The lower, two-story level of the
The architect has virtually wrapped the entire oceanside of the first floor, including all the exterior walls of the formal living area, in more than 200 feet of solar bronze glass, leaving the interior open to a spectacular view.
Master bedroom and children's suite on second floor have separate balconies.

Approaching the house from the west, one will be able to see through the entrance foyer to the ocean. On this side, the two-story living room will be shielded from view by an outcropping of ledge in and against which the house rests. To the right, beyond the garage, a large swimming pool will nestle in a bowl-like area that is actually part of the roof where it touches the ground.

Upstairs, both the master bedroom suite and the one serving the children's bedrooms will include private balconies overlooking the water.

Basically a light steel frame and concrete (both reinforced and concrete-copolymer) structure, the residence will provide approximately 7,000 square feet of space.

According to Jasinski, some of the design features used here were incorporated on a more modest scale in a house he designed in Southbridge, Mass., eight years ago.

Time has since borne out the validity of ideas that seemed highly experimental then; it will undoubtedly do the same for others used here with such style and imagination.
THE Burlington District Court State Office Building designed by Linde-Hubbard Associates, Inc., of Burlington, was the initial building in that city's Urban Renewal Area.

It is a square building with a two-story courtroom in the center of the top two floors with offices surrounding it. A pair of stairs leads from the main entrance lobby up to a generous lobby for the courtroom at the second level. Court oriented facilities occupy the remainder of the second floor. First and third floors provide bulk office space for various other state offices.

Since its completion, the courtroom has won high praise from practicing and visiting attorneys who appreciate the advantages of pleading a case in a space designed specifically with their needs in mind. Placement of the judge’s bench in a corner of the room has been particularly effective.

A basement floor which extends beyond the building at either side to form landscaped plazas provides fifty parking spaces for the building occupants.
A pair of stairs leads from the main entrance lobby up to a generous lobby for the courtroom on the second level.

Second level (left) houses court oriented facilities. First floor (far left) and third level provide bulk office space for other state offices.
Two-story courtroom, which occupies center of top two floors, has won high praise from practicing and visiting attorneys for design of interior spaces, especially placement of the judge's bench in a corner of the room.
Stairs, elevator, vertical ducts, and public toilets are housed in the four solid corners.

Most offices in the building have generous views of Lake Champlain and the Adirondack mountains beyond.

Materials are brick and concrete. The main structural concrete is poured in place. Smaller concrete "mullions" and spandrel trim are precast.

Cost of the 59,400-square-foot building (707,500 cubic feet) was $1,400,188, including site work and furnishings. General contractor was Pizzagalli Construction Co., Inc., of South Burlington.
ON THE DRAWING
Classroom/Lab Facility (upper left)

Building operations are due to start shortly on the $4.8 million Classroom and Laboratory Building for Arts and Sciences at Lowell Technological Institute, Lowell, Mass. Structural portion of the building, designed by Coletti Brothers of Hingham, will be reinforced concrete. The walls between the poured exterior columns will be pre-cast concrete. All windows will be glazed with double bronze glass in bronze anodized aluminum frames. The ground floor, third and fourth floors will contain classrooms. The second floor will be used as offices for the faculty. Laboratories will occupy the fifth and sixth floors.

Chittenden Trust Company (upper right)

Construction has begun for a branch office of the Chittenden Trust Company, designed by Freeman-French-Freeman, Architects of Burlington, Vermont. This 10,000-square-foot building is free standing on a landscaped site at the intersection of Five Corners in Essex Junction, Vermont.

A prominent design feature is the high pitched roof, which will be sheathed in hand-split cedar shingles and will provide a two-story space for the interior lobby of the bank. The building was designed to present an informal, rather than an institutional character, and will feature a large stone fireplace, bluestone floors, natural wood trim, and sheetrock walls on the interior. Scheduled for completion in the fall of 1970, the structure will provide five teller stations, two drive-up windows, and safe deposit vaults to serve as a complete banking facility for the community.

Cape Cod Community College (left)

The Cape Cod Community College complex designed by Bay State Architects Desmond & Lord of Boston is located on a 90-acre site along Route 6A in Barnstable but the entire building area, including roadways and parking for 1000 cars, occupies less than 40 acres. The remaining land was left as "a buffer" to preserve the wooded nature of the area, according to George A. Roman, designer-in-charge. Contemporary in character and Cape Cod in scale, the buildings are located on the highest point of the rolling, heavily wooded site.
THE ruggedly handsome Spaulding Gymnasium building at Keene State College, University of New Hampshire, Keene, occupies more than two-thirds of an acre. It houses facilities and equipment for a broad variety of athletic activities, including a 25-yard swimming pool and a main gymnasium capable of seating 2,000 spectators.

The main gymnasium, designed

PHYSICAL EDUCATION FACILITY

KEENE STATE COLLEGE - UNH

Perry Dean and Stewart — Boston
Swimming pool is equipped with one and three-meter diving boards and a public address system with underwater speakers.

Main gymnasium, designed to accommodate two activities simultaneously, can be divided into two regulation basketball courts.

Driving golf balls is one of many activities accommodated in three auxiliary gymnasiums; others include modern dance, gymnastics, baseball, wrestling and tumbling.
Main entrance

Third Level

Second Level

First Level
to accommodate two activities simultaneously, is equipped with a folding door that can divide the area into two regulation basketball courts. The swimming pool is equipped with one and three-meter diving boards and a public address system with underwater speakers. It has gallery seats for 200.

Three auxiliary gymnasiums provide for such activities as gymnastics, modern dance, archery, golf driving, baseball, wrestling and tumbling. There also is a gymnasium where students can participate in informal sports without donning gym shoes.

The $1.75 million, 78,000-square-foot facility, designed primarily for instructional purposes, houses four classrooms, 10 offices, a squash court, a handball court, locker rooms for men and women, two visiting team rooms, two equipment rooms, a training room, a corrective laboratory, a weight training room and a workshop for repair of equipment in addition to storage and maintenance rooms.

General Contractor was Joseph E. Bennett Co.; Structural Engineers, Nichols, Norton and Zaldastani; Electrical Engineers, McCarron & Hufnagle Associates, Inc.; Plumbing Engineers, Robert W. Sullivan Co., Inc.; Heating, Ventilating and Air Conditioning Engineers, Buerkel & Company, Inc.
FOOTINGS are in and construction is on schedule for the 30-acre Founders Plaza development in the East Hartford South Meadows redevelopment area by the Connecticut River. The first stage of the project designed by architect Charles DuBose of Hartford includes a seventeen-story office building, a five-story combination office and parking structure which will be occupied by Connecticut Bank & Trust Company for a computer center, and a two-story garage topped with a landscaped promenade plaza.

Phoenix Mutual Life Insurance Company is general partner in Founders Plaza Associates, developers of the project. Henry and Louis Beckenstein are limited partners in the partnership.

The first stage of the development is being built on 771 concrete-filled steel piles sunk 93 feet in the ground. Guild Moulton Construction Company, Providence, Rhode Island, has completed installation of the piles.

The office tower is expected to be a combination of pre-cast concrete and metal curtain wall. The two low-level structures will be steel frame with pre-cast concrete curtain walls.

With Founders Plaza as the nucleus, redevelopment of the area immediately east of the river is expected to draw East Hartford into the Greater Hartford metropolitan core of the future, according to Lyndes B. Stone, President of Phoenix Mutual.

Founders Plaza Associates plans to gear future buildings in the complex to use for research and development facilities, computer centers and general office space. When completed the $30 million complex is expected to provide more than a million square feet of office space. Tolland Enterprises is exclusive managing and leasing agent.

Consulting engineer is James Minges and Associates, Inc. of Farmington. General contractor for the tower building is Horn Construction, Inc., Hartford. General contractor for the five-story computer center is Standard Builders, Inc. of Hartford.
Aerial view (above) of metropolitan Hartford featuring location of Founders Plaza. Landmarks visible are Connecticut State Capitol in lower right, downtown Hartford in center, including Phoenix Mutual Life's ship-shape building and Constitution Plaza. Tree-lined pedestrian promenade (left) almost 4 acres in area, tops a two-story garage between the computer center and the 17-story high-rise structure.
Notes (Continued from page 4)

Boston association for expansion was recently granted by the Board of Directors of the Mechanical Contractors Association of America. The local association has been an official affiliate of the national association for a number of years. The expansion was initiated in the early Fall of 1969.

There are a number of contractors in Massachusetts outside the Greater Metropolitan Boston area, and in Maine and Rhode Island that are currently affiliated with the national association. These contractors have been invited to join with the new New England association.

New Town in Israel Wins Reynolds Award

The Biblical city of Beersheba in Israel, where a completely-planned "new town" is being built in the ancient desert settlement, has been honored by the second R. S. Reynolds Memorial Award for Community Architecture.

The architects and planners of Beersheba will receive the international award, which confers $25,000 and an original sculpture in aluminum "for the design of a community in which architectural planning and design have made a most significant contribution," according to the American Institute of Architects. The AIA administers the program sponsored by Reynolds Metals Company.

The award will be presented at the AIA annual convention in Boston on June 25 to a representative of the Ministry of Housing, which administers the new towns program. The $25,000 will be used for study grants in urban design under the administration of Technion, Israel's technical university.

Draftsman Seeking Position in Vermont

Young draftsman (21) presently employed by leading architectural firm in the Boston area is seeking summer position as draftsman for an architect in the Wilmington, Vt., area. For additional information, write Box 33, NEW ENGLAND ARCHITECT, 3 Sheafe Street, Portsmouth, N.H. 03801

Index
To
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Beckwith Elevator Company ............. 5
E. F. Wheeler & Company
Finbel Door Corporation .............. 1
Four-Power Group ...................... Cover III
John C. Dowd, Inc.
Your Local Gas Companies ...... Cover IV
Harold Cabot & Company, Inc.
Lynn Bulletin & Directory Board
Mfg. Co. .................................. 28
A. P. S. Associates
Rapids Furniture Company, Inc ...... 5
Julian Brightman Company
Spaulding Brick Company, Inc....... 28
J. H. Westerbeke Corporation ........ 4
Donald W. Gardner Advertising
Witt-Armstrong Company .......... Cover II
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