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Hugh Stubbins & Associates, Architects

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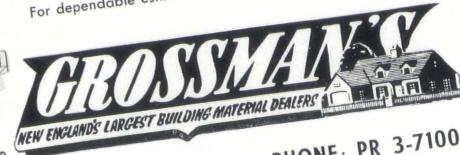
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CONSTRUCTION

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Signed Articles. As one object of the "New England Architect and Builder, Illustrated" is to afford a forum for the free expression of matters of importance relating to the building trade and architectural profession, and as the widest range of opinion is necessary in order that different aspects of such matters may be presented, the editors assume no responsibility for the opinions or facts in signed articles.



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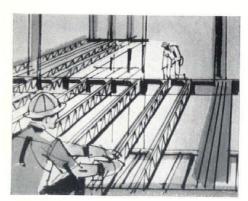


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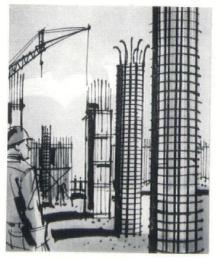
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DEAR READER

For the past few months, many of you have received COMPLI-MENTARY issues of NEW ENGLAND ARCHITECT and BUILDER ILLUSTRATED.

It has been our intention to produce a high quality magazine containing fine, descriptive photographs and timely, interesting reports on the activity of the building industry in New England. No expense has been spared in this respect. To continue to do so requires the readers' support in the form of a paid circulation.

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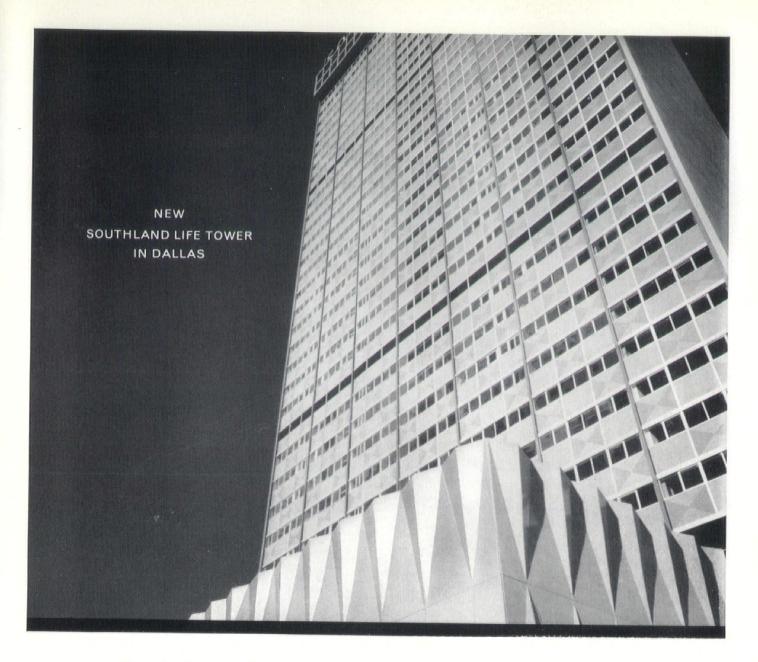
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new england ARCHITECT and BUILDER illustrated
215 STUART STREET - BOSTON 16, MASSACHUSETTS



Curtain walls of precast concrete achieve dramatic interplay of light, color and texture

The unbroken whiteness of the end wall is in striking contrast to bright, blue-green spandrel panels of the sidewalls. And on the broad base wall below, light and shadow form bold patterns across the sculptured facing. 42 stories, and the tallest office building in the West, the Southland Life Tower is part of a \$35,000,000 project in downtown Dallas, Texas.

It's all done with concrete panels. For the end walls and base, exposed quartz aggregate and white portland cement give surface roughness and brilliance. The smooth-faced spandrels are ceramic tile cast in concrete. The total effect is one more example of the unlimited design possibilities in today's new forms of concrete.

Architects and Engineers: Welton Becket, FAIA, and Associates, Los Angeles and Dallas. Consulting Architect: Mark Lemmon, AIA, Dallas, Texas. Structural Engineers: Murray Erick Associates, Los Angeles.

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20 Providence Street, Boston 16, Massachusetts

A national organization to improve and extend the uses of concrete

PART II - THE ARCHITECT, MAN OF MANY FACETS

(EDITOR'S NOTE: Part I of this article last issue described the architect as a composite personality made up of three basic ingredients: the artist, the technician and the businessman. It was said that 'seldom does he succeed equally well in his three roles." As an artist he interprets not only his client's wishes and aspirations, but also those of this generation and his culture in general. With his originality and expression of forms, the architect-artist can create buildings of lasting beauty — but he must be a mature and informed person who has something significant to say in his work.)

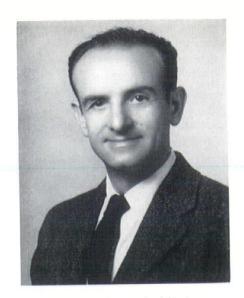
By JAN REINER

As a technician, an architect must possess more than a speaking acquaintance with the available building materials and technologies of his day; he must follow the ever-growing variety of equipment and appliances which form the core of a modern building. He is expected to know such minute details as the action of bacteria in the septic tank or the wiring of chimes for the door bell; he is supposed to anticipate zoning legislation, or to make quick cost estimates which a seasoned builder would hesitate to tackle.

Today the field of the architecttechnician is so vast that — to an ever increasing degree — he has to depend upon the assistance of his collaborators, whose ranks, incidentally, are also growing in number. There are civil and mechanical engineers, acoustical and lighting experts, decorators and landscapers, just to mention a few.

LIKE A WRITER mastering the language without stumbling over spelling and grammar, the architect-technician must be in control of his non-verbal communication: the building technology. Through feeling and reasoning he selects the materials and structural methods best suited for his type of design.

His selection, however, is not entirely unhampered because, in addition to his client's wishes and financial considerations, there are the building codes.



Jan Reiner, Architect

While codes are a desirable protection against unsafe construction, they are at times also a hindrance to progress. The codes, like most legal documents, are based upon proven merits of building materials and established (i.e., past) technologies, wherein lies both their strength and their weakness. Unrevised codes freeze progress and are in conflict with the "future-oriented" architect-technician who tries to "thaw" them.

VIEWED HISTORICALLY, every great style of architecture crystallized within the orbit of a specific building material and a particular technology.

The Classical style, for instance, sprang from the post and beam construction, and the Gothic style from the post and vault system. Both styles used stone, but the way they used it — the construction The reason that the Gothic builder used the "old" stone in a new way was not his personal whim but the result of technological and social developments. In Classical Greece, the technical know-how was rather primitive and unskilled labor was plentiful. Therefore, it was possible for the "owner" to direct the slaves and workers to quarry large blocks of stone and then put them together in a rather simple way which did not call for an undue amount of skilled labor that is, in the post and beam way. In the Gothic period, on the other hand, the "owner" had to pay the well-organized building guilds and, therefore, was money conscious. That is why stone was cut into small, easy-to-handle pieces, and economy then, as now, was the keynote so far as the structural system was concerned. The Gothic ribbed vault soaring above the slender stone columns is an example of an extremely economical construction—a construction which, at least in spirit, anticipated the modern steel and concrete skeletons 800 years ago.

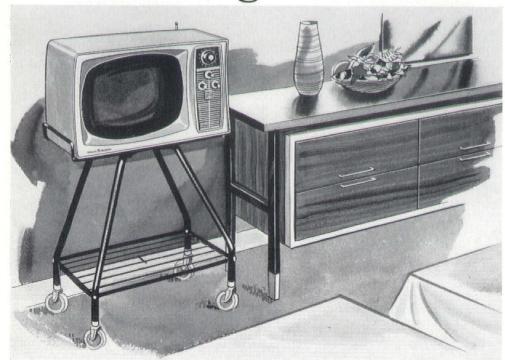
ALTHOUGH GOTHIC STYLE and construction (like steel and concrete today) were the reflection of a broad sociological movement, they could not hide the varied nuances of design of the individual architect-technician. Some cathedrals reveal an amazing structural inventiveness and technical virtuosity while others bespeak structural conservatism and technical "playit-safe" routine.

Perhaps the Gothic architect-technician with his use of stone is paralleled by his 20th century counterpart and the latter's use of concrete. Reinforced concrete today, like stone 800 years ago, is a popular building material. All architects use it.

But what a Candella or a Nervi can design and build with it amounts to an esthetic and structural discovery. These two men certainly possess far more than a "speaking acquaint-ance" with concrete. Through their inventiveness and ingenuity they have extended known possibilities of concrete into hitherto unknown areas. They became the form-givers of our time and thus have continued the historic role of the architect-technician.

(NEXT ISSUE — The architect as a businessman.)

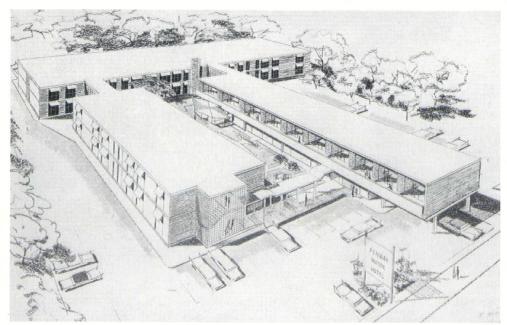
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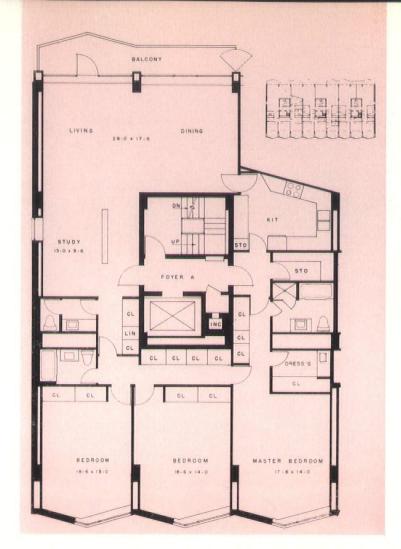
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330

BEACON STREET



MODERN LIVING ON HISTORIC BEACON STREET

Architect:

Hugh A. Stubbins & Associates

Cambridge, Massachusetts

Consulting Engineers:

Fred S. Dubin & Associates

Boston, Massachusetts

General Contractor:

Turner Construction Company

Boston, Massachusetts

Consultant and Managing

Niles Inc., Realtors

Agent:

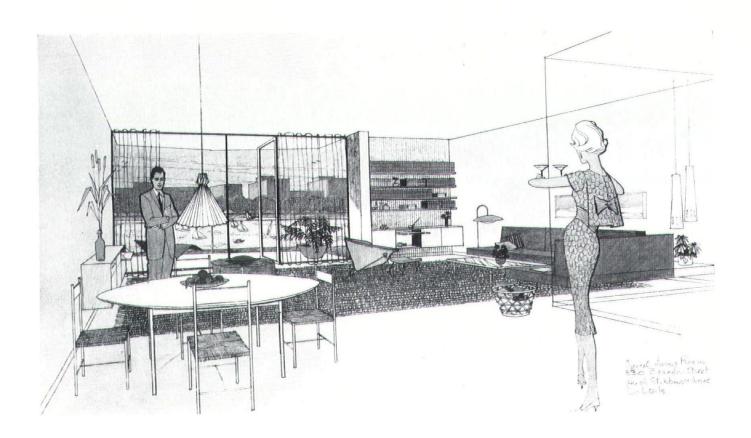
Brookline, Massachusetts

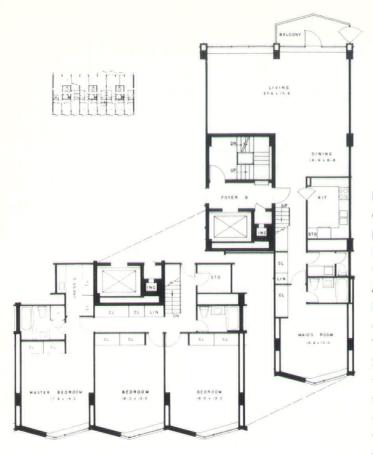
Beacon Street has for many generations been noted for its fine historic location, steeped in old Bostonia and antique Back Bay tradition. "330 BEACON" is now rising to a 17-story height as a part of the progressive new look that is gracefully and gradually merging with hardy New England. Boston residents must be watching this change-over with mixed emotions; editorially we admit to an eager anticipation as we watch the growth of projects such as, The Prudential Center, The I.B.M. building, The West End Development, The Government Center and The Traveler's Insurance Building. A new Boston is being born and none too soon.



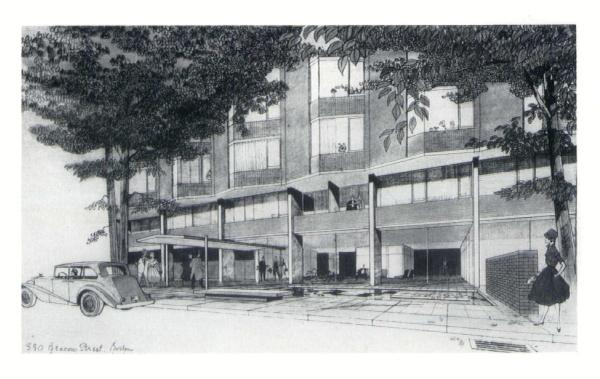


"330 BEACON" is a privately financed luxury apartment building with a beautiful view of the Charles River Basin and the Cambridge shoreline. It consists of 78 apartments ranging in size from one bedroom to four bedrooms with the accent on large room format. All living rooms open on to private balconies overlooking the river, and are from 21 feet to 28 feet wide. Bedrooms average 14 by 18 feet. Specially engineered is the year-round central air conditioning system by Warren-Webster which supplies individual heating and cooling regulated by thermostatic controls in every room.





Included are three Penthouse suites and a number of duplex apartments. A three-level heated garage provides parking space for every tenant. Three ultramodern, high speed, automatic elevators by Otis provide private or semi-private access to each apartment. An outline description by the architect describes the building as follows: reinforced concrete construction on steel clad concrete piles 200 feet deep to bedrock. The exterior walls are insulated and faced with Shenandoah brick supplied by Waldo Brothers. The window frames are of steel, glazed with 1/4" plate and the cantilevered balconies have steel framed safety glass railings. An attractive lobby will feature terrazzo floors, marble and wood panelled walls, and in addition to the Building Manager's offices will have two doctor's suites. The actual construction work is now well under way and the present schedule for completion allows for the apartments to be occupied during the summer of 1960.





ROSSETTI MILETO



ARCHITECTS

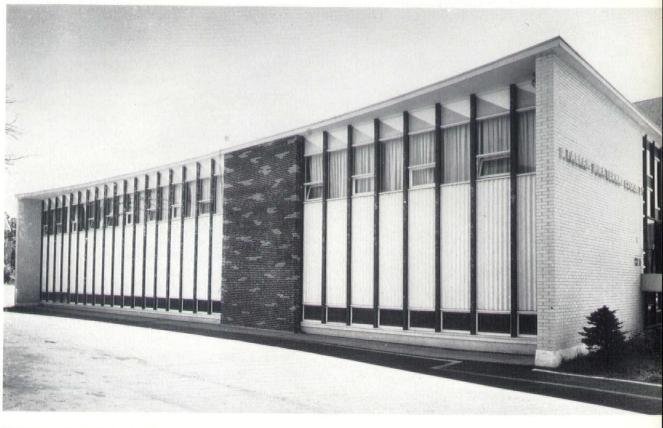
Rossetti & Mileto, Architects was established in practice in 1951, and at

present is located at 185 Main Street in Bristol, Connecticut, within 20 miles of Hartford. In a few short years the company has successfully completed architectural design projects which range from schools to industrials, from shopping centers to motels, from housing to medical buildings. At an interview we were impressed with the youthful appearance of the principals plus a pleasant aggressiveness and overall awareness of humanity which ofttimes does not occur until later years.

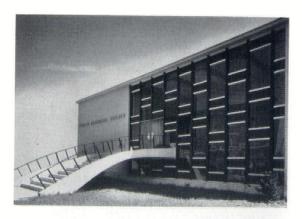
Mr. Rossetti, a resident of Cheshire, Connecticut is a graduate of Kansas State College with a Bachelor of Science in Architecture and a Bachelor of Science in Architectural Engineering. He is registered in Connecticut and is a member of the Connecticut Society of Architects.

Mr. Mileto was born in Rome, Italy and now resides in Vernon, Connecticut. His architectural education was received at the University of Rome in Italy and he has just returned from a 3-week stay in Rome. He was there for special studies at the University. He is also a registered architect in the State of Connecticut and is a member of the National Council of Architectural Registration Boards.

The scope of work by these young men is steadily expanding and as a result they are planning to move to larger and more easily accessible offices in the city of Hartford. The following profile serves to illustrate in part the versatility of these contemporary designers.



ITALIAN FRATERNAL SOCIETY CLUBHOUSE





Mechanical Engineer — John P. Legnos Associates — Hartford, Connecticut

Structural Engineer — R. S. Loomis — Windsor, Connecticut

General Contractor — Bessoni Brothers, Inc. — New Britain, Connecticut

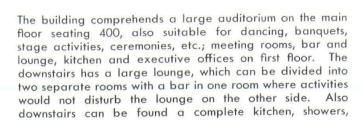
Size — 10,000 Square Feet Total Cost — \$112,500

The building houses the activities of an Italian and American Society which includes meetings of the members, social activities, such as dancing, small theatre work, banquets, ceremonies, etc., some outdoor sports, plus a bar and lounge and complete utilities, such as shower stalls.

The one prerequisite was that the building be two stories and for economical purposes one of these stories would be only partially underground so as to be able to install windows to light same.

The problem was how to make this lower level not seem like a lesser floor (such as a basement) of the main first floor. This was solved by designing a main staircase as a free standing clear span bridge which would ramp from the street elevation up to five feet to the first floor and without stopping or changing materials, continue to the right and under, spirally down to the semi-basement, giving therefore, the illusion to the incomer that the stairway going up was meant primarily for the floor below.

MILETO



utilities, card game room and offices.

The building had to be constructed very inexpensively but the owners desired a building quite different from the usual type of convention hall; therefore, by using materials which are usually used for purposes other than the ones intended (for instance . . . side panels of the window wall between wood mullions are a corrugated transite usually used for warehouse roofing . . . colored glass on the front is a green solar glass used for factory fenestras) the desired effect was obtained at a minimum of expense.

The foundation is a concrete wall with exterior walls of white brick and cinder block and interior walls of wood frames and plywood finish. Ceilings are acoustical tile between exposed steel beams and the roofing is flat over steel beams and purline construction.





Steel — New England Iron Works; Electrical — Peterson Electric Company; Heating — Jartman Heating & Cooler Company; Glass — Pittsburgh Plate Glass Company; Roofing — County Roofing Company. (All Connecticut)

Photos by Arber-French & Company, Inc.





Engineer

R. S. Loomis Windsor, Connecticut

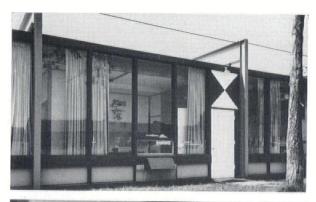
General Contractor

Pola Brothers East Windsor Hill, Connecticut

This industrial design covers 5000 square feet and was constructed at a total cost of \$40,000 that houses the Gerber Scientific Instrument Company. The firm is engaged in the manufacture of a unique line of instruments and computers used throughout the world in research and development. The one-story structure on concrete foundations, complete with drafting rooms and offices measures 50 ft. x 100 ft., with

the offices all along the 100 side foot frontage. The front wall is composed entirely of plate glass and insulated panels set in wood mullions. The remaining walls are painted cinder block and steel frame. The interior walls of wood frame and fiber panels with wood batten are interestingly set off by the further use of prefabricated wood and board panels in contrasting colors.

THE GERBER SCIENTIFIC INSTRUMENT COMPANY — SOUTH WINDSOR, CONNECTICUT





In order to achieve a clear open interior without the expense of a suspended ceiling the building was designed within a frame of steel which was left exposed and the roof purlins were hung by steel straps a few feet below the main steel beams. This lent character to the building and assured an uncluttered interior.

The roof is a fireproof steel deck suspended as mentioned before flat with pitch pockets for each steel suspender.

The heat is supplied by oil-fired forced warm air with individual air-conditioning units in all areas.

Principal Subcontractors

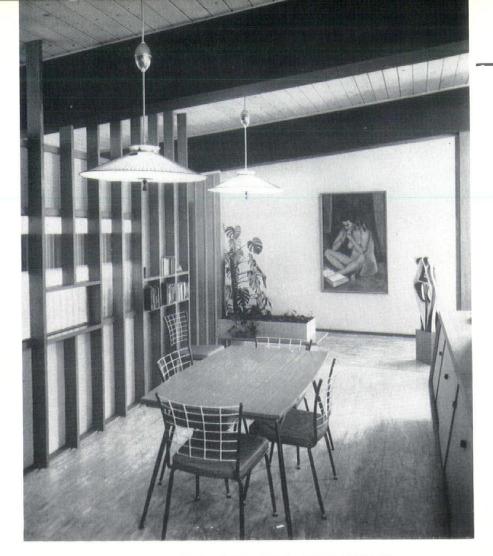
Heating — Bentz Heating Company; Plumbing — S. Wisneski; Electrical — Homer Lane; Roofing — Fishman & Sons; Steel — Kilpatrick Structural Steel Company. (All Connecticut)

Photos by Arber-French & Co.

ROSSETTI

MILETO







RUSSELL RESIDENCE — WEST HARTFORD, CONNECTICUT
General Contractor — Peter St. Pierre, Hartford, Connecticut

Eight months in construction, this dwelling covers a 2,600 square foot area plus a full basement at a total cost of \$46,000.

Designed for a family of five and so that a moderate amount of entertaining could be conducted away from

the children's sleeping area, yet close enough for supervision. The house contains the following rooms: four bedrooms, three bathrooms, a studio, one guest room, living room, kitchen and dining room, a breakfast nook, enclosed porch, laundry room, carport and outdoor storage area.









Since the owner is an artist, sculptor and painter, it had to contain a capable studio complete with a baking oven for ceramics, and a studio which would have to double for guest accommodations. The character and design of the building was determined by the desire of the owner not to show a lavish presumptuous front to the passerby, but rather that the pleasantries be confined to the inside of the lot for the pleasure of the family itself and their friends.

A very rough, rustic stone wall was designed to provide contrast with the glass side walls and with a shiny grand piano located in the living room. Since the bedroom wing is curved, the children's activities can be supervised from any point in the living room, and between the bedrooms and kitchen-living room activity areas, there is a buffer zone created by the stair-well down to the basement and a laundry room.

The entire exterior front wall with the exception of the main and servants' entrance is lined with continuous closets, above which windows were inserted to light the passageway. A free standing carport storage was erected under the porch entrance in front to screen the kitchen windows.

Structurally, the building consists of wood frame with fiberboard and wood battens, plywood and masonry on a concrete foundation. The floor is of wood covered with vinyl tile and rugs. A warm air heating system is combined with air-conditioning for year-round comfort.

PHOTOGRAPHS BY ARBER-FRENCH



ROSSETTI

MILETO

Mechanical Engineers:
John P. Legnos Associates
Hartford, Connecticut
Structural Engineers
A. J. Macchi
Hartford, Connecticut
General Contractor
The Bari-Lavoie Company
Farmington, Connecticut
Size: 32,000 Square Feet
Total Cost: \$468,000

WOODLAND MEDICAL BUILDING - HARTFORD, CONNECTICUT

Designed as a four-story medical center the Woodland Medical Building is located near a major Hartford hospital. The offices are mainly tenanted by doctors who are affiliated with the hospital. The uncrowded suburban area picked for its location is a pleasant background for this professional looking structure.

Built of concrete on the cantilever principle, the main walls of the top three floors extend out over the ground floor foundation walls with the land-scaped walks beneath the cantilevered section.

The Screen-Block feature section over the entrance identifies the building easily from afar.

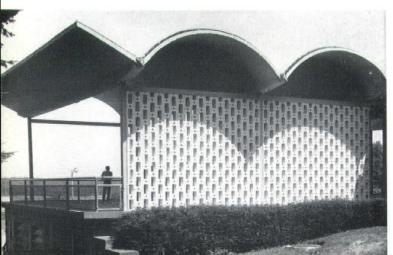
Principal Subcontractors & Suppliers: Masonry Front Grille Work — Concrete Products Company; Glass — Pittsburgh Plate Glass Company; Heating, Ventilating and Air Conditioning — George Ellis Company; Electrical — Industrial Electrical Company; Reinforcing Steel — Scherer Steel Company; Plumbing — M. A. Fierberg; Acoustical Tile — Wilson Construction Company; Roofing & Insulation — A. Lurie Company; Lath & Plaster — Montana Brothers. (All Connecticut)



A PAVILION CANOPY SHELTER — BRISTOL, CONNECTICUT TO EXISTING PAGE PARK PAVILION

Engineers: Fred S. Dublin Associates — Hartford, Connecticut

General Contractors: The S. Carpenter Company — Bristol, Connecticut



An attractive recreational project, this pavilion shelter was constructed at a cost of \$39,000. It overlooks the swimming pool area providing sun and rain protection to the public. The shelter was added to the existing pavilion and designed a series of (formed in place) concrete arches backed by a masonry screen wall of vertical blocks as shown in the photographs.

Principal Subcontractors & Suppliers
Roofing — County Roofing Company
Electrical — Pattengell Electric Company
Concrete — Mastrobattista & Sons
Steel — Standard Structural Steel Company
Painting — New England Sprayers and Decorators
(All Connecticut)

Photos by Ted Dully



MILETO

Mechanical Engineers

John P. Legnos Associates Hartford, Connecticut

Structural Engineer

R. S. Loomis Windsor, Connecticut

General Contractor

The S. Carpenter Construction Company Bristol, Connecticut

Two statues, one of St. Anthony and one of the Madonna were commissioned by Wolfgang Behl, prominent Hartford Sculptor, and placed in the lobby

The total cost of construction was \$220,000 for an area of 15,760 square feet. A structural description includes: concrete foundation, exterior walls of red brick and steel, interior walls of plastic faced cinder block, concrete floors covered with asphalt tile, acoustical tile ceilings;

ST. ANTHONY'S ELEMENTARY SCHOOL - BRISTOL, CONNECTICUT

The St. Anthony's Elementary School is a two-story parochial structure which had to be added as a new building to an already existing three-story school. A problem of attaching the two units was created by the fact that the new building floor elevation was to be several feet below the first floor of the existing building; therefore, a split level had to be created in the conjunction lobby. The new school is composed of eight classrooms, four on each floor, a lounge room for the Sisters of the parish and an anteroom on bottom floor which houses the furnace.

Two corridors, one on each floor and 10 ft. in width, extend northwise from middle of other two corridors with stairs at the end leading both to the grounds and to the old school.

The entrance for the new school had to become the central main entrance for the existing building as well; therefore, a large lobby with two sets of free standing concrete stairs flanked by railing of blue steel composition to lead from lobby to the second floor were provided with special materials used such as terrazzo floor and an all-glass interior wall.

steel beams and concrete on corrugated forms make up the roof structure.

Principal Subcontractors & Suppliers Roofing — County Roofing Company

Flooring — Stately Floors

Heating & Plumbing — John P. Grennan & Sons, Inc.

Electrical — A. Le Talien

Lighting Fixtures — Lightolier

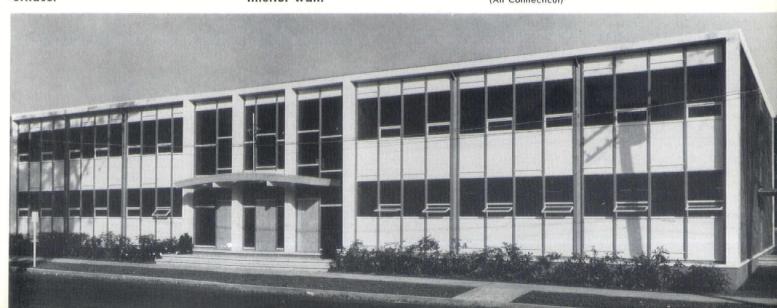
Cinder Blocks — Plasticrete Corporation

Tile & Terrazzo Work — American Tile Company

Glass — Pittsburgh Plate Glass

Steel — Standard Structural Steel Company
Ricketson Woodwork — Hartford Bldrs. Finish

(All Connecticut)





By Alvan Fox — Design Contract Division — Rapids Furniture Company It is a generally accepted fact that the professional or business office is taking on added significance these days. Not only is it considered important in the everyday efficient and orderly conduct of business, but it has achieved new values as a symbol of status, and indication of progressiveness, and generally speaking, as a public relations asset.

Time was when the professional man's office was a comfortable and often nondescript collection of desk, seating, tables, draperies and pictures selected in sentimental fashion by his wife, or in many instances by an office furniture emporium specializing in secondhand desks and files. Today this man is more inclined to look to the architect, interior designer or office specialist who concentrates on the problem of coordinating all the necessary utility, permanence and esthetic qualities needed to create an integrated office that is both efficient and personalized. Modular desk units with matching cabinets, the L-shaped working units, and other modern versions of desks have helped to bring about the contemporary look in office interiors. Originally a space-saving idea, modular arrangements have proved to offer so much in clean work-surface and convenient access to storage, dictating machines and the other impediments of average office procedure, that they are a natural for most office design solutions. They may be freestanding, if space permits, or may jut out from one wall, with everything on two or three sides accessible to the desk-sitter.

Such efficiency need not have the clinical look. Here's where taste and talent can covert the seemingly machine office into a pleasant and

psychologically satisfactory room, where one-third of the day is spent . . . productively as well as comfortably.

In major building installations, it is almost a foregone conclusion that the architect on the project will have the opportunity of completing his work by coordinating interiors with the exterior. Why is the smaller installation not receiving this same attention? Even on office floor layouts for individual firms, architects should be consulted in coordinating materials of walls, floors and ceilings in a general layout, and this leads inevitably to the problems of seating, storage, traffic flow, natural and artificial light, as well as the specifics of certain business procedures. In too many cases this is left to someone else with no sympathy for what the architect was attempting.

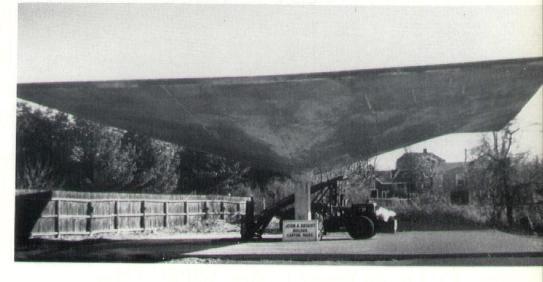
Many architects confine themselves to basic structural problems, and too few have design staffs to coordinate the entire interior project as well. They should be well-informed on new products in the furniture, flooring and fabric field, and maintain complete files on these subjects. Specialized firms like Paul McCobb, Knoll, Herman Miller, and Risom are continually adding to their well-known groups designed for office and institutional use. Where the architect's staff is not adequate to handle

all interior appointments, these firms have planning departments to assist the architect, and usually have files on previous installations, indicating solutions for various problems. Beyond this, there are qualified specialists in interior design who can work on a consulting basis with the architect. For the job to be done properly the interior designer should be in on early plannings, and furnishings should be incorporated in the budget at the very beginning.

The whole matter of the office as a "home away from home" has activated office equipment manufacturers, interior designers and architects into significant advances in office layout, which delve into not only the practical aspects, but also the correlative values in public relations and other intangibles. With the enormous expansion in office and industrial buildings now taking place, the field for interior design in offices, reception areas and the like has assumed vast proportions, but is attracting the minimum attention from most architectural firms. The ideal integration of structure with interior requires the architect as the natural arbiter in such matters, and it is he who should be the initiating force in seeing that it is done. Too often, the creator of the shell, in neglecting the interior, leaves a vacuum that at some later date is filled, in a manner entirely at odds with the surroundings. Just as the inside of the egg, both the white and the yolk, ultimately determines its worth, the interior and its appointments finally makes the structure satisfactory.

Flexibility and attractiveness are two key words in modern-day industrial construction. Because of the rapid technological advances occurring in any industry, every owner wants and properly insists that he be able to alter the layout with minimum interruption to production. Whereas in the past, owners were satisfied with spans

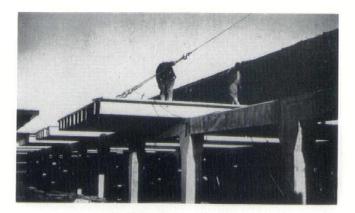
from 24 to 33 feet, they now desire column spacing from 40 to 60 feet. In addition, the shift of manufacturing plants from the center of cities to the suburbs, coupled with the added importance placed on human reaction to working environments, has placed greater demand on the architectural talents of the industrial designer. This is particularly true of New England where modern-day manufacturing plants in suburban industrial parks must blend with residential homes and communities.



Within shorter spans ranging between 40 and 50 feet, the hyperbolic paraboloid concrete shell roof is fast growing in popularity. This rapid growth is due in large measure to its economical use of construction materials, the simplicity of its structural action and to its inherent beauty. The double curvature enables loads to be transferred to supports almost entirely by direct forces so that thickness of the shells lies in the range of $1\frac{1}{2}$ to 3 inches. Although curved in two directions, formwork consists of straight line lumber

THE NEW LOOK

Fortunately new trends in concrete design and construction have kept pace with these new demands. The recent developments of thin shell concrete struc-



tures, coupled with the advances made in the precastprestressed concrete industry, have enabled both the requirements of flexibility and attractiveness to be met.

The rise of barrel shell roofs, some spanning as long as 125 feet, has enabled flexibility and attractiveness to become economical. With the aid of the electronic computer, simplifying approximations can now be made to bring the design of such ribless shells within the scope of the practicing engineer.

With this economy of construction and design in its favor, the architect is given an opportunity to make imaginative use of the many graceful shapes that may be developed in its use.

For heavier loads with long spans the development of the concrete folded plate has given us an efficient use of concrete as a construction material, yet maintaining architectural appeal. Easily adaptable to any particular loading or span they have been found equally useful for service as either a roof or floor system. When used as a floor system, the troughs can serve as ducts for electrical and service lines, or heating and airconditioning units.

Within the past seven years, the precast-prestressed concrete industry has shown spectacular growth. The use of precast-prestressed double tee beams has made possible long spans with simplified erection. Made on an assembly line basis with quality control they have eliminated false work and curing time from the construction site. Further economies are realized by the elimination of the need for any additional ceiling other than the exposed concrete.

Along with its inherent fire safety and low-maintenance cost, concrete, as an industrial building material, has developed a new look to meet the demands of modern-day construction.

Article Courtesy of: Portland Cement Association



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BOSTON MUNICIPAL AUDITORIUM

Boston's Mayor John B. Hynes revealed a scale model of the \$12,000,000 Boston municipal auditorium and a proposed timetable for its construction.

The auditorium will occupy 132,000 square feet of land area in the Prudential Center development on the Northwest corner of the 31-acre tract facing on Boylston Street.



Hoyle, Doran and Berry - Architects

The main floor will be reached at sidewalk level and will consist of a spacious entrance foyer leading directly to the auditorium, seating at this level 4,000 persons, and also approached from the foyer is a large exhibition area of approximately 57,000 square feet.

Auditorium is equipped with a stage 150' wide, 45' deep, and an 88' wide proscenium opening. Stage is equipped with an asbestos curtain, gridiron for operation of curtains and movable scenery. The stage will have complete lighting and theatrical stage facilities.

The first floor exhibition area is arranged so that six meeting rooms can be set off from the main exhibition area by sliding, soundproof wall panels.

Four escalators and numerous stairs lead from the main entrance foyer to the second floor exhibition area, and fourteen additional meeting rooms.

The balcony will seat approximately 2,000, making a grand total in the auditorium, including the main floor, of 6,000 persons. Also on the second floor is a total of 71,000 square feet of gross exhibit space. If the entire facility is utilized for exhibits, including the floor area of the auditorium and the first and second exhibit floors, there will be approximately 160,000 square feet of exhibit space.

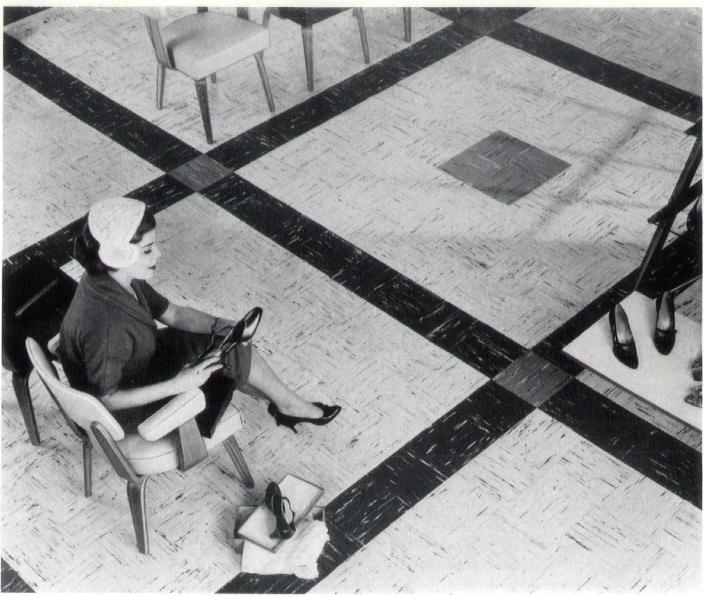
The building is completely air conditioned, acoustically treated, with a sound system installed, which will cover all areas of the building.

In addition to the general lighting, facilities are available for accent lighting, electrical power outlets for exhibitors, as well as steam, water, gas, compressed air, and suitable drainage.

The two exhibition levels will be serviced by five elevators from the loading dock in the basement level. A large tractor trailer may be raised to each of the upper floors for delivery of materials directly to the exhibit locations.

Heavy floor loads required for exhibition areas require heavy steel piles carried down to bedrock 150' to 180' below the surface of the ground.

The building is of fireproof construction throughout with an exterior of brick and stone, mosaic walls with a large colorful main entrance motif at the Boylston Street entrance.



J-M Terraflex floor is of Heron White, Parrot Green with Snipe Salmon inserts

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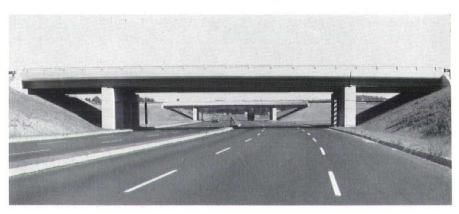
MOST BEAUTIFUL BRIDGES

NEW YORK, N. Y.— The most beautiful steel bridges opened to traffic during 1958 were announced recently in the annual competition sponsored by the American Institute of Steel Construction, the national organization representing the structural steel fabricating industry. A distinguished jury selected 13 bridges in 11 states from 104 entries, the largest number of bridges ever submitted in the 31-year old Prize Bridge Competition.

In special ceremonies to be arranged at the sites at some later date, stainless steel plaques will be affixed to the three top winners, and Honorable Mention certificates will be awarded to the designers, owners, and structural steel fabricators of the other ten bridges.

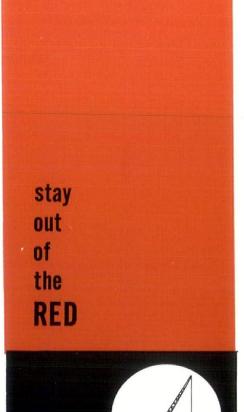
M. G. Gaskin, chairman of the Board of Taylor & Gaskin, Inc., Detroit, Mich., and chairman of the AISC Committee on Awards, announced the awards and said, "The Committee is gratified by the large number of entries received this year, particularly from state highway departments and bridge engineers, which indicates an increasing interest in the use of structural steel for its strength, durability and aesthetic possibilities."

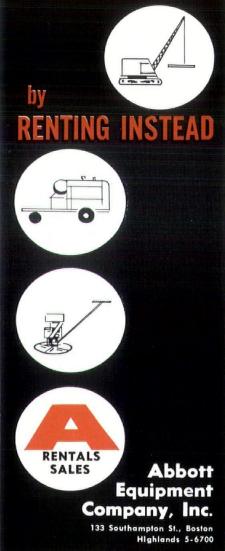
"The jury felt that designers were obviously taking a new responsibility for the beauty of bridges and their surroundings," Mr. Gaskin added. "The judges had to choose carefully from the many striking designs submitted, and they stated that the American public was the beneficiary of the care engineers were taking to consider aesthetics as well as utility."



Chosen in national competition by the American Institute of Steel Construction as the "most beautiful bridges built during 1958" are the twin bridges which span Route 1 (Providence Turnpike) at Nahatan Street, Norwood. State Public Works Commissioner Anthony N. DiNatale was presented the Institute's award by Mr. Sol Horwitz, member of the board of directors. The presentation was made at the Statler Hilton, Boston, where the American Association of State Highway Officials met. The bridges were designed by the Bridge Division of the Massachusetts Department of Public Works. The graceful structures form a circle above Route 1 and each bridge handles one-way traffic serving the town of Norwood.

Members of the jury included: Clinton E. Brush III, Architect, Nashville, Tennessee; Leslie Cheek, Jr., Director, Virginia Museum of Fine Arts, Richmond, Virginia; Francis S. Friel, President, American Society of Civil Engineers, Philadelphia, Pennsylvania; I. Lloyd Roark, Jr., Architect, Kansas City, Missouri; Linn Smith, Architect, Birmingham, Michigan.







Suretyship

BY: JOHN J. CURTIN FRANCIS H. CURTIN INSURANCE AGENCY, INC.

To Thales, one of the great philosophers of Ancient Greece, is attributed the following statement, "Suretyship is the precursor of ruin."

Many of Thales' Hebrew predecessors and contemporaries shared his view — and with justification. However, throughout history, and even today, notwithstanding Thales' admonishment, for a consideration men have been eager to act as guarantors or sureties of the contracts and agreements made between other men.

The need for suretyship, or bonding, was recognized in ancient and medie-

val times; but it was not until late in the Nineteenth Century that its concept was changed in America. Corporate suretyship developed. Corporations rather than individuals, for a price or premium, began to guarantee or bond the undertakings and agreements of business enterprises.

Unfortunately, too many of the original American bonding companies proved the truth of Thales' words. Ineptness destroyed many in the period from 1885 until 1925. Others withered and failed even after 1925 because of mismanagement, bad investments and poor underwriting practices.

Notwithstanding the shortcomings of one of America's burgeoning industries, public awarding authorities at civic, state and national levels quickly recognized their place in our economy, realizing that, particularly in the field of construction, bonding companies could play a big part in keeping the costs of public construction at a minimum. They reasoned that if surety companies were called upon to qualify contractors whom they deemed were properly equipped to complete and discharge their contractual obligations, and would provide bonds which would guarantee to awarding authorities that contractors' undertakings would be completed, and their obligations to labor and for materials would be discharged, that many hazards would be eliminated.

(Continued on page 59)

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AS COMPILED BY M. PATRICIA WILLIAMS, ASSOCIATE EDITOR

STAMELL CONSTRUCTION COMPANY



With a successful bid of \$635,884, the Stamell Construction Company of Cambridge was recently awarded the contract for the Ward Four Elementary School, Revere. Shown with Mr. Sid Stamell is City Manager Edward P. O'Toole. Looking on are Assistant City Solicitor, Ralph Martino and Harold M. Turiello, Architect for the school. Recently the Stamell Construction Company completed the Arlington Methodist Parish Hall (Collens, Willis and Beckonert, Architects), Dial Exchange Building for New Eng. Tel. & Tel. (Hoyle, Doran and Berry, Architects) and Additions and Alterations to the William B. Mitchell School (Rich and Tucker, Architects).

COMFORT CONDITIONED HOME

Owens-Corning Fiberglas Corporation will announce its 1960 "Comfort Conditioned Home" program to New England builders on November 16, by means of a closed-circuit telecast to Boston and Hartford.



Harold Roeschenstein

The hour-long show, which will originate from the N.A.H.B. Housing Center in Washington, D. C., will be seen at 4:00 p.m. by audiences assembled in the Louis XIV ballroom of the Hotel Somerset, Boston, and the Capitol ballroom of the Statler Hilton in Hartford. The program will be followed by a cocktail party for invited guests.

Chet Huntley, NBC news commentator, will narrate the show, which features a talk on the Russian building industry by Owens-Corning president Harold Boeschenstein. The theme of the program is "The Big 60's," a forecast of the great immediate future for home building and a presentation of the total concept of improved living — sound conditioning, air conditioning, outdoor areas and easy maintenance — that is now the trend in America.

Invitations have been issued to builders, decorators, subcontractors, distributors, manufacturers, real estate, utilities and banking

NEW HAMPSHIRE BRANCH FOR NEW ENGLAND INSULATION COMPANY

The New England Insulation Company of 839 Albany Street in Boston has announced the opening of a branch office in Alton, New Hampshire.

Added to their present branch offices and warehouse facilities in Portland and Bangor, Maine, this rapidly expanding firm is now strategically located to efficiently service their customers throughout the four state area of Maine, New Hampshire, Vermont and Massachusetts.

Arthur Swanson, President of the firm, has expertly guided a rapid growth in the Industrial Insulation field. With an established history of twenty-five years in business, a new Acoustical Division was added a year ago which has successfully completed many notable projects including the recently opened Pine Tree Shopping Center in Portland, Maine.

In keeping with this type of expansion another new division has been organized to handle a well-known brand of permanent and movable steel office partitions.



Walter L. Bowes

officials to attend the showing. Walter L. Bowes, branch manager of Owens-Corning, 820 Statler Building, Boston, said that every effort had been made to include all interested persons living near Boston or Hartford.



Edward P. Quilty has been appointed sales representative for Pioneer Plastics Corporation, Sanford, Maine, in the southern territory. Pioneer manufactures Pionite Lifetime Laminates and Glamor-Board, 5/32" plastic-surfaced hardboard.

Mr. Quilty was previously with the Textolite division of General Electric Co. He is a graduate of Western Reserve University and a former captain in the U. S. Air Force.

He will work out of Pioneer's High Point, North Carolina office, in the Southern Furniture Exposition Building.

SAFE QUALITIES OF WOOD CITED

Amid current attempts to curtail the use of wood in new schools and other buildings, the United Brotherhood of Carpenters and Joiners of America is calling attention to the inherent safe qualities of wood as structural material.

Brotherhood executives declare that if a building is properly designed, wood construction is as safe as any type yet developed and is also less expensive than most types.

Competitive groups in several states are seeking legislative action to restrict the use of wood as a structural material. The campaign began almost two years ago after the Chicago school fire in which 92 persons lost their lives.

Bills have been introduced in at least six state legislatures to restrict school construction to materials which are non-combustible. To date, none of these bills has passed.

One executive of the Brotherhood calls this drive "unfair" and "an indication of how far the competitors of wood construction will go in an effort to cash in on the publicity that surrounded the unfortunate Chicago fire."

The Brotherhood executive points out that a study of the Chicago fire by experts revealed that inadequate exit facilities and lack of a properly designed fire alarm system contributed most to the loss of life.

"Of all the experts who studied the fire," he said, "not one mentioned structural material as a significant factor. The one thing all investigators agreed on is that the combustibility of structural framing is much less a danger than improperly designed and improperly located exits."

The executive cites case histories to prove that one-story wood construction is one of the safest types of construction available.

NEW COPLEY SQUARE BUILDING IN BOSTON

Copley Square's fourth new building in the past three years will be of the latest contemporary design, according to Michael Lilly of Lilly Construction Company, general contractors for the job. Located at the northeast corner of Boylston and Dartmouth Streets, the exterior will feature panels of attractive glazed brick, plus columns of white Mo-Sai stone and aluminum windows.

The six-story retail and office building will be completely air-conditioned throughout, and six firms have already leased space in it. These include: American Guarantee Corp., Canadian National Railways, Harris Upham & Co., H. A. Long, jeweler, New York Life Insurance Co., and Suffolk Franklin Savings Bank. It is expected that the remaining two floors will be rented by November, according to Sumner A. Weld, Vice-President of R. M. Bradley and Co., leasing agents.

NEW DISTRICT OFFICE

American Laundry Distributors, national distributors for Westinghouse commercial model laundromats, have assumed occupancy of their new plant at Cerel-Perini's East Natick Industrial Park, it was announced this week.

The new location will serve as the New England District Office, covering the entire six-state area, in addition to fourteen counties in New York State. The facilities will also serve as a Parts Department for laundromats and other home appliances, thus enabling ALD to service equipment efficiently in all sections of New England.

ALD is a national organization with district and sales offices located

throughout this country and Canada. Their home office is in Chicago.

The firm employs over four hundred sales representatives. The Natick operation, covering three districts will have twenty-three members on their sales staff.

The firm, which originated the idea of coin-operated laundries in 1946, has maintained their leadership in this field. Early this year, it was decided to establish a district office rather than a sales office here, and the East Natick Industrial Park was considered by management to be an excellent site for a centrally located office. The opportunity for expansion of current facilities was also a determining factor in the relocation of ALD to Cerel-Perini Industrial Park.

PARTNERSHIP

Formation of a new partnership was announced by J. Henderson Barr, William V. Linde and Charles J. Hubbard. The architects' place of business will be at 20 Main Street, Essex Junction, Vermont.

CONVENTION BOUND



Candid camera catches Kathleen Happenny, Maria A. Dellorfano and Gloria Salvo as they board plane en route to Baton Rouge for the National Convention of the Women In Construction. Below: Maria, Kathleen and Gloria, during Mardi Gras luncheon given by the Baton Rouge Chapter. Story on page twenty-eight.





Maria A. Dellorfano National Third Vice President

Résumé of National Convention — WOMEN IN CONSTRUCTION The Fourth National Convention of the National Association of Women In Construction was held at the Capitol House Hotel in Baton Rouge, Louisiana on September 11th, 12th, and 13th.

Three Delegates from the Boston Chapter were represented: Miss Gloria J. Salvo, President; Miss Maria A. Dellorfano, Secretary, and the Chapter Representative to the National Board of Directors; and Miss Kathleen Happenny, Director.

These three delegates departed from Logan International Airport on an Eastern Airlines Jet-Liner on Thursday night at 11:30 (September 10th) and arrived in Baton Rouge in time for Registration at 8:00 A.M. Friday.

On Friday morning at 9:00 A.M. Maria Dellorfano, as the Boston Representative, attended the National Board Meeting. The Invocation was read and a Welcome was extended by the National President, Mrs. Lucille Holman of Corpus Christi, Texas. Thirty-three Delegates attended the Board Meeting.

It was noted that six years ago that night WOMEN IN CONSTRUC-TION was organized and the first preliminary meeting was held in Fort Worth, Texas.

At 9:30 A.M., while Maria Dellorfano was attending the Board Meeting, Kathleen Happenny and Gloria Salvo were present at the Work Shop.

Friday afternoon at 1:00 P.M., the Opening Session of the Convention took place. Mayor Jack Christian welcomed the WIC's to the city of Baton Rouge, and Gloria Salvo, President of the Boston Chapter gave the Response. Reports from various Committees were given.

Friday night the Baton Rouge Chapter held a Chicken-Bar-B-Q for all the WIC's by the pool at the Hotel. On Saturday morning at 9:00 A.M., the Recall was made to the Convention. Nominations for new officers were made from the floor, as follows:

President: Carrie Ann Marquette (Houston, Texas); Lauda Cooper (Lubbock, Texas)

First Vice President: Pauline Mason (Fort Worth, Texas); Viola Brown (Little Rock, Arkansas)

Second Vice President: Peggy LeBlanc (Baton Rouge, Louisiana); Bobbye Leyton (Odessa, Texas)

Third Vice President: Maria Dellorfano (Boston, Mass.); Francella Mahone (Dallas, Texas)

Secretary: Dorothy Haynes (Waco, Texas)

Treasurer: Maxine Studebaker (Austin, Texas); Maxine Farmer (Corpus Christi, Texas)

At 12:00 noon, a Mardi Gras Luncheon was held at the Grand Ballroom, and at 2:30 P.M., the Business Session of the Convention continued. Election of New National Officers resulted as follows:

President
Carrie Ann Marquette
First Vice President
Viola Brown
Second Vice President

Peggy LeBlanc
Third Vice President
Maria Dellorfano

Secretary
Dorothy Haynes
Treasurer

Maxine Studebaker*

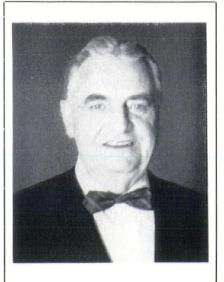
* Maxine Studebaker is the first National Officer to ever be re-elected to serve a second term.

Invitations from San Diego, California and Amarillo, Texas were made to have the 1960 National Convention held in their cities. Result: 1960 National Convention voted to be held in AMARILLO, TEXAS.

At 7:45 P.M., Saturday, the Banquet was held, at which time the installation of the new National Officers for 1959–1960 was made.

A brief Board Meeting was held for the new officers on Sunday morning by the new president.

The Boston Chapter of Women In Construction certainly was well represented by their delegates, Gloria, Maria and Kathleen. They are indeed delighted that the Secretary of the Boston Chapter was elected National Third Vice President — Congratulations, Maria A. Dellorfano



I. Milliam Reardon

May 12, 1897 August 7, 1959 J. William Reardon publisher and business manager of Gainey's Construction Newsletter, died August 7, 1959 in the Milton Hospital. Mr. Reardon has published the Newsletter, a daily news service of advance construction information for the trade in New England since 1947, along with his wife, Mildred Gainey Reardon. Born in Roxbury, a graduate of Mission High School and the High School of Commerce, he had been associated with various phases of the engineering and construction fields in New England since 1922. Mr. Reardon was a member of the Engineers Club, the Massachusetts Build-Connecticut ing Congress, Building Congress and the Master Builders Association. He was a veleran of World War I and a member of the American Legion Post 76, Jamaica Plain. We feel that "Bill" Reardon will be greatly missed by those in the construction field.

CHARTERHOUSE MOTOR HOTEL

Announcement was made today of a new hotel to be built for the Hotel Corporation of America on the Cambridge Parkway. Roger Sonnabend, Vice President of HCA and General Manager of the Hotel Division, reports that the new hotel will be another Charterhouse Motor Hotel, part of a nation-wide chain. HCA selected the Cambridge site for the new motor hotel because of the heavy concentration of industries, businesses and universities in the immediate vicinity with a demand for hotel accommodations, restaurant and function facilities. Construction is scheduled to begin November 1, 1959.



The hotel will be located in the Cambridge Parkway Development, which is a joint project of Cabot, Cabot & Forbes Co. and Nordblom Co. This garden-type industrial park is an office and distribution center for General Electric Appliances Company, Parke, Davis and Company, E. I. du Pont de Nemours and Company, Inc., Warren Brothers Company and E. R. Squibb and Sons.

Facing the Charles River, directly across from downtown Boston, the strategic location of the new Charterhouse Motor Hotel will be unparalleled. Fronting on the east side of the Cambridge Parkway, the hotel will have access via Route 2 from Route 128 and by way of the Charles River Bridge from Boston's central highway system. The site is convenient to the industrial and commercial firms of Cambridge and Boston as well as public transportation, Logan International Airport, North and South Stations and the Port of Boston. It is within walking distance of the world-renowned "Research Row" on Memorial Drive.

The hotel will be in close proximity to Boston's many entertainment facilities, including the Museum of Science and the Boston Garden for sports events. At the Charles River Basin, only a few minutes away, the summer recreational activities include excursion-boat trips and a series of outdoor concert programs at the Hatch Shell.

The building design combines a double level horizontal structure with a seven-story tower. All of the 161 guest-rooms will be located in the tower and have a panoramic view of the Charles River and Boston skyline. The ground level, primarily open, will have two automobile entrances on the Cambridge Parkway and Commercial Avenue for drive-in registration, an unusual feature particularly convenient for motorists. This level will also contain a lobby and covered parking area for over 100 cars. The glass-enclosed second level will contain the main dining room seating 170, a sundeck, swimming pool, bar and cocktail lounge, coffee shop and special function rooms for over 340 guests.

The hotel has been designed by the firm of Curtis & Davis of New Orleans and New York City, consulting architects for HCA.

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nent partitions. Changes in assembly line stations or in work areas are easily effected by simply moving a few lockers or bays of shelving.

Obviously, the expense of permanent or temporary partitions in industrial work space is greatly reduced by this system of "living" industrial walls.

"Living Wall" in Construction for Industry

Just as the room divider is becoming more popular in residential design serving as a replacement for a permanent wall, architects are turning to the use of steel shelving and lockers in industrial plants to define work areas and corridors.

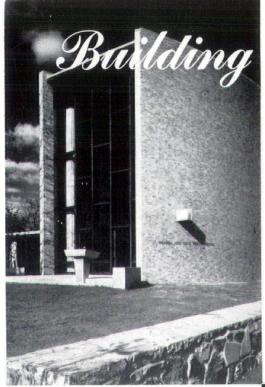
The advantage is twofold since the shelves and lockers provide the needed storage at the necessary location, and also provide a partition that eliminates the need for either a temporary or permanent wall. The steel shelving bays are so flexible in design that many combinations of open bays or semi-enclosed bays can be used to make a common storage partition that

serves two work areas with the result, a saving in floor space.

A local exponent in the use of steel shelving and lockers as "living" industrial walls is The Andrew Wilson Company in Lawrence, Mass. They have had several important installations of this type to their credit, notably, one at the huge new Western Electric plant in North Andover, Mass.

The main corridor, the worker's dressing area, tool bins and work areas are layed out with Wilson products without hindering the vast system of conveyors that run overhead. Western Electric has wide open work spaces without perma-





Chapel on Brandeis campus

Ironbound Continuous Strip Hard Maple Floor in Brandeis University, Waltham, Mass. Architect: Archie Riskin. General Contractor: Keystone Construction Co.

Bailding the Brandeis name

IRONBOUND* CONTINUOUS STRIP* HARD MAPLE FLOOR

Brandeis University, a newcomer to intercollegiate sports, made a real name for itself on the basketball floor last year. Though its team has been in the making only a few years, Brandeis gave our better-known basketball powers some very stiff competition.

The Ironbound Continuous Strip gymnasium floor — where team-building begins — was an important factor. This floor assures fast, lively action, saves wear on leg muscles, keeps players at their best. The reason is Ironbound's construction — its short-length hard maple strips are precision milled and interlocked with sawtoothed steel splines and laid over mastic and cork. Expansion is minimized and controlled to prevent cracks caused by shifting; playing surface remains permanently smooth. For your next gymnasium job, let us tell you more about the advantages of Ironbound. We will be happy to furnish tailored specifications for your use and budgeting.

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ALCOA STRUCTURAL HANDBOOK

One of American industry's all-time "best-sellers" is back on the presses.

The publication is "Alcoa Structural Handbook." Between 1930 and 1958, it "sold" 188,500 copies — better than three times the 50,000 copies constituting the publishing industry's standard for a "best-seller."

An initial 40,000 copies of a new—the sixth—revision are now on their way, making a total of almost 230,000 copies printed to date. Although all early editions bore a "cover price" of one dollar, most of its distribution has been gratis.

The book was published originally in 1930, under the title, "Structural Aluminum." Its publication was a joint effort of Alcoa Research Laboratories and of the structural section of Aluminum Company of America's development division.

Need for the book was to supply design information on the use of aluminum in structures. In 1930, some information of this type was available for aircraft construction, but virtually no data was available for structural applications of the light metal then coming into their own — in the railroad, auto, truck, architectural, and heavy-duty structure fields.

The book has truly been the "bible" for structural aluminum. It, and the research data compiled in its preparation, were extensively used by a committee of the American Society of Civil Engineers in preparing their aluminum specifications, first published in 1948. The Alcoa handbook has been the sole manual of its type throughout the three decades of its existence.

Over the years, the book has grown from 106 pages, including 33 tables, in 1930, to 420 pages, including 140 tables, in the new edition. It has had a new name, "Alcoa Structural Handbook," since 1945.

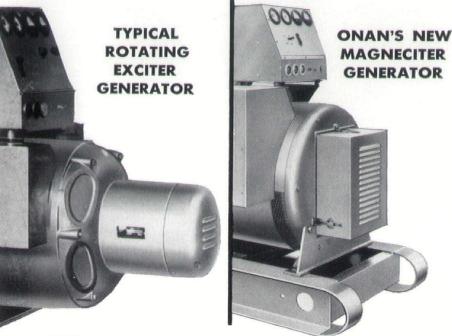
The current revision involved changes in text, general up-dating of tables, and the addition of several new tables. Extensive data on the aluminum-magnesium alloys, and comprehensive coverage of welded structure design are included in the new handbook.

The new edition of "Alcoa Structural Handbook" is available in limited quantity from Alcoa sales offices, or from 789 Alcoa Building, Pittsburgh 19, Pa.

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IN GENERATOR DESIGN

on large Onan gasoline and diesel plants



Eliminates all moving parts in exciter and voltage regulator

Steps up performance in primary and emergency standby installations

- ▼ FASTER VOLTAGE RECOVERY—Rated voltage is restored within one second after load is applied or removed, compared with 5 seconds for a rotating exciter generator.
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- ✓ GREATER RELIABILITY—New design eliminates hundreds of electrical connections, the commutator and its brush rig, and many other "break down" points.
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- ▼ EASIER SERVICING—All exciter and regulator components are easily accessible. No dismantling necessary.

New Magneciter generators are now standard equipment on all Onan Electric Plants of 100, 125, 150, 175 and 200KW, as well as on many smaller sizes. A choice of Diesel or gasoline engine power is available on most Magneciter-equipped models. Complete specifications on any or all Onan units will be sent on request.

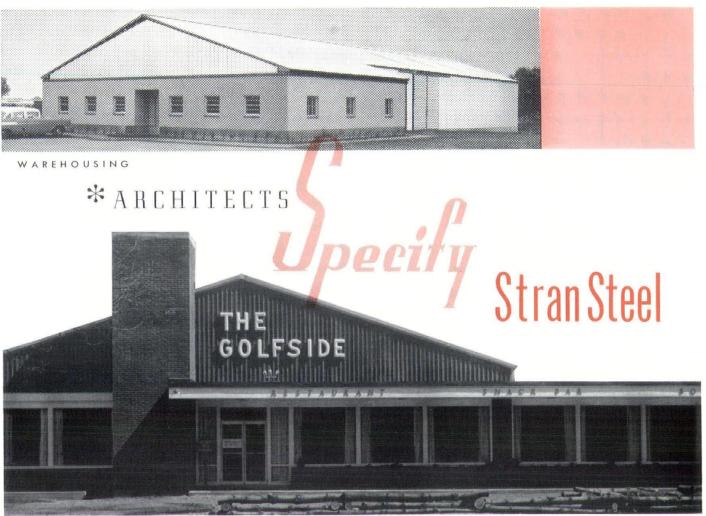
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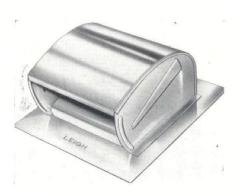


New

Products

LEIGH BUILDING PRODUCTS

A new, improved roof jack featuring heavy-gauge aluminum construction, quiet operation and low cost is now being produced by Leigh Building Products, Division of Air Control Products, Inc., Coopersville, Michigan.



The new roof outlet for ventilating fans is built of 25% heavier gauge aluminum than that previously used, the manufacturer states, and added strength is provided by embossed side panels and a "C"-formed front section.

For effective back-draft prevention and quiet operation, the new Leigh SEAL-TITE damper has a felt closing strip on its front edge, and the roof jack opening is felt-lined on three sides. Damper angle of the new roof jack has been increased to provide an effective seal and to avoid fluttering in high winds.

Other important features include: water-deflecting flange to stop driving rain, one-piece base to prevent water leakage into the roof opening, low silhouette (only 73/8" high) and lifetime brass damper bearings.

Bulletin 260-L, available from the manufacturer upon request describes the new Leigh Roof Jack in detail.

NEW PEDESTAL URINAL

The newest Universal-Rundle urinal, the Chalfont, is a vitreous china siphon-jet pedestal urinal with $1\frac{1}{4}$ " top spud with integral rim for use with exposed flushometer. Can also be furnished with $1\frac{1}{4}$ " back spud for use with a concealed flushometer.

The Chalfont is furnished with china bolt caps. Outlet is designed for closet floor flange. This modern-looking urinal may be used with flush tanks, or it may be installed singly or in batteries.

The vitreous china Chalfont has a surface harder than steel.



Using U/R's patented "Hi-Fired" process, the beauty and surface glaze is unmatched in the fixture industry. That surface quality means the Chalfont is easy to clean and will give more years of trouble-free service.

For complete details on the U/R urinal line or other U/R fixtures, write for catalog to Advertising Department, Universal-Rundle Corporation, New Castle, Pa.



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INSURANCE COMPANY
Providence, Rhode Island
3 Automatic Selektronic Passenger
Elevators, 3000# at 350 f.p.m.
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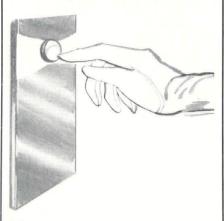
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FOR SPECIFICATIONS

NEW SPACE SAVING SEATING UNIT FOR CLASSROOM-DEMONSTRATION AREAS

Space-saving seating is now available for industrial or hospital programs and for shop and lab courses in schools where both lecture and demonstration-practice facilities are needed in the same space. At the request of Walter Dorwin Teague Associates, Industrial Designers engaged by West Point Military Academy, Hussey Mfg. Co., North Berwick, Maine, designed a tablet arm to fit on Hussey Closed Deck Roll-Out gym seats. This particular combination is a real space-saver. The detachable tablet arm, which tilts for easy access to the seats, provides a broad, firm writing surface, and a whole section of Roll-Out seating will close, to clear the floor area, in less time than it takes to fold and stack 10 folding chairs. There is no storage problem.



Three sections of these seats with tablet arms are now in use in the Concrete Testing Laboratory of the Military Art and Engineering Department at West Point. Following chalk board sessions, these seats are moved against a wall to provide space for experiments. They are equally applicable to many other situations.

When closed, the detachable tablet arms store in the footspace of the seats. These Roll-Out units may be permanently attached to a wall, or, as at West Point, they may be movable units that can be rolled from place to place on the hydraulic dolly that comes with them. Sections may be 8' to 16' long and from 3 to 10 rows high. Each row of a 16' section seats 10 average size persons comfortably. The rows of seats are spaced 24" on center for ample knee room. Because of Hussey's Closed Deck, no personal possessions can drop through the footboards to the floor and, with this completely enclosed type of footboard, there is no opening for an accident.

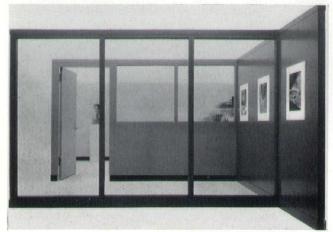
The floor space which this type of seating saves can result in a major reduction in building costs. There are also material economies in the handling and maintenance of Roll-Out seating as versus folding chairs or other more conventional seating.

In conjunction with modern movable laboratory, shop, or other training equipment, this type of seating is a practical space-saver for schools, hospitals, and industry. They could also, for example, be installed in a cafeteria. During non-serving hours they could be opened for training programs and meetings, or used (without tablet arms) for spectators at indoor recreation programs.

For further information and free catalog, contact Hussey Mfg. Co., Inc., North Berwick, Maine.

SINGLE-LINE STEEL PARTITION

Virginia Metal Products Incorporated, one of the country's largest manufacturers of movable steel partitions, has recently developed a new "Accent Monoline" partition system, using an integral spline mechanism, which makes possible a 100% flexible, single-line movable wall.



Each panel unit is completely interchangeable with a new panel or door, without "jack-knifing", or disturbing adjacent units or top-filler. Panels meet in an almost invisible line, rigidly joined by an exclusive spring spline. VMP states that their new "Monoline" wall is the first movable partition, which retains the lowest possible cost and the beauty of a single-line system, with the added feature of complete flexibility.

For further information write to: Virginia Metal Products, Inc., Boston District Office, 258 Park Square Building, Boston, Mass., or call HA 6-0648.



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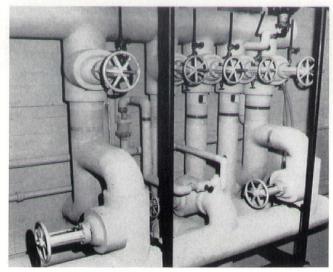
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ALL MATERIALS
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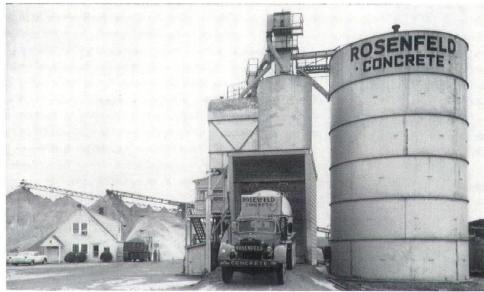
NEW ENGLAND INSULATION CO.

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ROSENFELD CONCRETE COMPANY—Our Ready-Mixed Concrete has been used on hundreds of outstanding construction projects such as Shoppers' World, Framingham; Army Quartermaster Corps, Natick; Wellesley College; Brandeis University; Arlington High School and Lexington High School.

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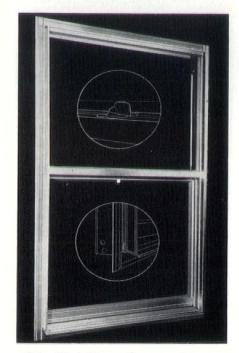
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MILFORD · GREENLEAF 3-7200

UALCO ALUMINUM

Polyethylene guide shoes stabilize up-and-down motion of the sash, and eliminate "side play," in the new Ualco Aluminum Single Hung Window.



Ualco Single Hung Aluminum Window

The latest addition to the Ualco Complete Line opens and closes noiselessly. Spiral-type sash balances work silently. Balances can be adjusted; builder or homeowner can vary the tension, to make a Ualco Single Hung easier or harder to open and close.

It's completely weatherstripped. Bulb-type vinyl weatherstripping at ventilator sill and at meeting rails, and silicon-treated pile fabric at ventilator jambs, make the Ualco Aluminum Single Hung weathertight. And since only the lower glass panel is operable, there's even less chance of air and water infiltration.

Picture windows are available, and mullion quickly to flanking Ualco Aluminum Single Hung Windows.

A wide range of standard and modular sizes is stocked in Southern Sash warehouses throughout the United States, and in Ualco distributors' warehouses all over the world. A handsome, three-color Ualco Aluminum Single Hung Window brochure is free on request from the manufacturer, Southern Sash Sales & Supply Company, Inc., Sheffield, Alabama.

ALCOA

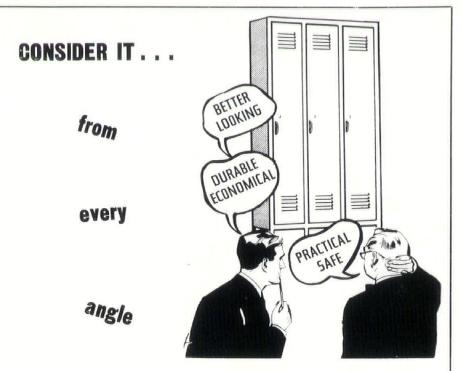
Aluminum Company of America recently revealed plans to install a 5,200-ton capacity extrusion press—heart of a multi-million-dollar expansion program—at its Vernon (Calif.) works.

Installation of the big press is scheduled to start in the early part of the fall. The new facility will be ready for production early in 1960. Included in the \$5-million expansion program are a new building to house the press, and a 750,000-pound capacity stretcher, installed last year.

Combined operation of the new

5,200-ton unit and existing supporting equipment will enable Alcoa to extrude, heat treat and stretch aluminum alloy shapes up to 34 square inches in cross-sectional area. This will permit the company to meet demands for greater sizes in extruded shapes for West Coast building products, aircraft, missile and rocket industries.

Expansion of extrusion operations is one point in Alcoa's long range program for improving facilities at Vernon works. Started in 1954, the program includes a \$4½-million expansion of forging operations, and modernization and streamlining of casting facilities.



You always get the same answer . . . Wilson Lockers are the best buy. They are used in factory or office, store or school. They come in grey, green or beige, or custom colored if desired. The formed steel channel frames on Wilson lockers cut down dust, eliminate rough edges, protecting clothing from tears and snares, and provide maximum security. Yet the cost is competitive!

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D41 Primer

A primer for surfaces prior to the application of Lion Nokorode Asphalts. Meets government and ASTM specifications.

Whatever your requirement for an extra-tough protective coating...for interior or exterior application... you'll find the answer with one of the superior LION NOKORODE protective coating products. Lion Oil Company or your nearest distributor will gladly study your problem and recommend the right LION NOKORODE product for your specific need.

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EL DORADO, ARKANSAS



Walls of light-controlling glass blocks result in an excellent light level in this garage of B. Leoni in Baden, Switzerland.

Use of glass blocks as complete walls on two sides of the building also allowed high light levels under car bodies.

The blocks, products of the Pittsburgh Corning Corporation, Pittsburgh 22, Pennsylvania, contain interior prisms to diffuse and direct the light. Their insulation value is the equivalent of a 12-inch concrete block wall.

Architects were Bolsterli & Weidman, SIA of Baden.

CONTROLLED FLOOR EDGING

A new and revolutionary electric tool for floor edging, boat and deck sanding, paint removal and concrete surfacing, has been introduced by the Porter-Cable



Machine Company of Syracuse, New York. The Porter-Cable Floor Edger with regular abrasive discs is lightning fast and completely obsoletes previous time-consuming, fatiguing methods of floor edging, according to the manufacturer. It is equally effective on wood, plastics, or composition materials. When used with tungsten carbide discs, the floor edger is a perfect tool for paint removal from houses, floors and furniture. In addition, the tool is admirably suited for such industrial uses as removing rust and scale and for metal surfacing.

For further information on Porter-Cable's new D-6 Floor Edger, write Porter-Cable Machine Company, 137 Exchange Street, Syracuse 4, New York.

AZROCK

A test area program offer is outlined in a brochure on new Duraco vinyl industrial floor tile, manufactured by Azrock Floor Products of San Antonio, Texas.

The company has offered to install a Duraco floor, in a problem test area selected by the prospective user, at no cost or obligation to the factory owner.

Also included in the brochure are conception and development of Duraco, laboratory tests, practical tests, light reflectance charts, recommended uses and installation suggestions. The brochure is available from Azrock Floor Products Division, Uvalde Rock Asphalt Company, Box 531, San Antonio 6, Texas.

NEW STRUCTURAL WOOD DECK

CLEAR PANEL is the name given an unusually attractive new structural wood deck manufactured by Unit Structures, Inc., of Peshtigo, Wisconsin.

Clear Panel deck features a core of kiln-dried Western Red Cedar faced with a permanent glued lamina of clear Oak or Birch.

Clear Panel is precision machined with attractive "v" edge and end joints and is milled to double tongue and groove pattern. It is offered in two sizes, 4" x 6" and 3" x 6".

In addition to the unusual beauty afforded by the clear, knot-free hardwood facing, Unit's Clear Panel deck meets structural requirements, is fire resistant and has high insulative value.

Its use eliminates the need for purlins, joists, bridging, insulation, paneling or other materials. Clear Panel deck will appeal to builders seeking a high quality product that offers beauty and strength combined with economy.

PIONEER PLASTICS CORP.

"It's Pionite and the Livin' Is Easy" is the lively title of a new folder just released for distribution by Pioneer Plastics Corp., Sanford, Maine.

This colorful leaflet is intended for purchasers of Pionite Lifetime Laminate-surfaced products and installations. It describes the workfree, wear-proof qualities of these high-pressure, melamine-armored plastic laminates, and lists a few precautionary "Don'ts".

The text is arranged rebus-fashion, with lively drawings spotted through it to highlight each point. A colorful mosaic of authentic Pionite patterns decorates the cover.

On the back page, a diagrammatic drawing of "Pionite for every room in the house" suggests countless applications of Pionite in the kitchen, bathroom, bedroom, living room, dining room, and playroom.

Copies of "The Livin' Is Easy" may be obtained by writing to the Advertising Department, Pioneer Plastics Corporation, Sanford, Maine.

STEEL CONSTRUCTION

A 44-page booklet discussing the most modern methods of fire-protecting steel has been published by the American Institute of Steel Construction. Titled Fire-Resistant Construction in Modern Steel-Framed Buildings, the booklet presents for easy reference the significant features of the fire-protective materials and fire-resistant systems that make steel-framed buildings economically competitive as well as structurally fire-safe.

During the past two decades, hundreds of fire-resistant light-weight floor and roof systems have been developed for use with steel construction. Believing that a compilation of these systems and their fire-resistance ratings would be helpful, the AISC, national organization representing the structural steel fabricating industry, has prepared the booklet specifically as an aid to architects and engineers.

Included in the booklet are sections on modern building codes with reference to general acceptance of performance tests; the characteristics of safe, dependable fireproofing materials; the concept of "light-frame" fire-resistant steel construction; and a reference table showing more than 150 fire-resistant constructions and their fire-resistance ratings.

Copies of Fire-Resistant Construction in Modern Steel-Framed Buildings are available free of charge from the American Institute of Steel Construction, 101 Park Avenue, New York 17, New York.

Francis H. Curtin



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One of the secrets of a successful business operation today is the ability to attract and retain key personnel.

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New Worcester City Hospital Worcester, Mass.

GENERAL CONTRACTOR, Park Construction Co., Boston, Mass.

ARCHITECTS, Isadore and Zachary, Rosenfeld and E. Todd Wheeler, New York, N. Y.

ELECTRICAL ENGINEER, John D. Dillon, New York, N. Y.

ELECTRICAL CONTRACTORS, Ostrow Electric Co., Worcester, Mass.



Shown above is the newest section to be added to the Worcester City Hospital. The intricate electrical installation can easily be compared to the nerve system of the human body.

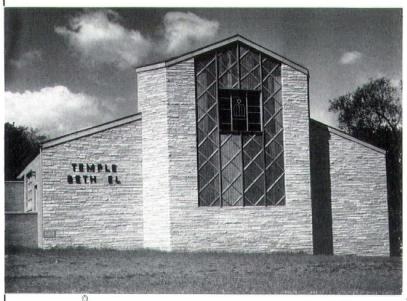
Entire Electrical Installation by Ostrow Electric Company



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CONTRACTS

AWARDED

This resume was compiled with the cooperation of GAINEY'S CONSTRUCTION NEWSLETTER and represents a total of \$23,523,889 in building construction contracts (over \$100,000) awarded during the month of September, 1959.

MASSACHUSETTS

ARLINGTON \$585,000 Housing for the Elderly - Arlington Archt: Harold C. Knight Assoc., Boston Contr: Roberto Constr. Co. Inc., Wakefield BEDFORD \$506,360 High School Addn. Archt: Clinch, Crimp, Brown & Fisher, Boston Contr: Poorvu Constr. Co., Boston \$1,598,952 Off-Street Parking Garage — City of Boston Archt: M. A. Dyer Co., Boston Contr: Park Constr. Co., Boston BOURNE \$1,407,000 Senior High School Archt: William W. Drummey, Boston Contr: Theodore Loranger & Sons, New Bedford BROCKTON \$176,800 Fernandes Supermarket Archt: Washburn-Luther Assoc. Contr. A. F. Smiley Constr. Co., Pawtucket, R. I. CAMBRIDGE \$1,200,000 Continental Terrace Archt: Hugh Stubbins & Assoc., Cambridge Contr: John F. Griffin Co., Cambridge DIGHTON \$325,466 Dormitory & Dining Hall — Bristol County Agricultural School Archt: George S. Darling, Fall River Contr: G. W. Carpenter, Inc., Fall River **FRAMINGHAM** \$345,450 Framingham Union Hospital Addn. Archt: Ellerbe & Co., St. Paul, Minn. Contr: John A. Volpe Constr. Co., Malden **LEOMINSTER** \$240,663 Armory Bldg., Comm. of Mass. Archt: Wendell T. Phillips Assoc., Milford, Mass. Contr: F. A. Burgoyne & Sons, Clinton \$1,000,000 Electronics Plant — Gabriel Co., Needham Engr: Charles A. Maguire Assoc., Boston Contr: Gilbane Bldg. Co., Providence, R. I. PALMER \$321,365 Wing Mem. Hospital Addn. Archt: James H. Ritchie & Assoc., Boston Contr. H. U. Bail & Sons, Inc., Southbridge

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Contr: Stamell Constr. Co., Inc., Cambridge



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SPRINGFIELD

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\$117,000

Wesson Mem. Hospital Addn.

Archt: Leland, Larsen, Bradley & Hibbard, Boston

Contr: Ley Constr. Co., Springfield

WESTFIELD Warehouse & Office Bldg. — Westfield

Development Corp.

Archt: John C. Parker, Springfield Contr. H. G. Bruscoe, Westfield

CONNECTICUT

ANSONIA \$391,383

Elem. School - Finney St.

Contr: John Cimmino, Inc., Hamden

\$371,280

High School Addn. - Howard Ave. Archt: Val Carlson, Shelton, Conn. Contr: John Cimmino, Inc., Hamden

CHESHIRE \$2,365,000

High School & Jr. Seminary - Our Lady of LaSalette Missionaries

Archt: Seb. J. Passanesi, Middletown

Contr: Joseph F. Kelly Co., Inc., West Haven

\$398,194

Shopping Center - R & D Realty Co., New London

Archt: Norman L. Raymond, Stamford Contr: Elci Co., New London

HAMDEN \$183,675

Quinnipac College — Tator Hall Addn. Archt: Caproni Assoc., New Haven Contr: Patterson Constr. Co., New Haven

HARTFORD \$138,815

Research Lab. — Hartford Hospital Archt. Buck & Buck, Hartford Contr: Richard Johnson Co., Hartford

LITCHFIELD \$358,300

Mary Immaculate Novitiate Addn. Archt: Louis R. Fucito, Waterbury Contr: Bonvicini Bldg. Co., Torrington

MANCHESTER \$1,113,125

North Jr. High School

Archt: Ebbets, Frid & Prentice, Hartford

Contr: Wadhams & May Co., Hartford

\$500,000

Shopping Center — c/o Stanley Cichoski, New Britain

Archt: Philip J. DiCorcia, Manchester Contr: Bessoni Bros., Inc., New Britain

NORWALK \$1,479,473

State Technical Institute — Conn. Public Works Dept.

Archt: Lyons & Mather, Bridgeport Contr: Fabrizio & Martin, Inc., Darien

\$2,500,000 OLD SAYBROOK

Printing Plant — R. R. Donnelley & Sons, Chicago Archt: Naess & Murphy, Chicago

Contr: Gilbane Bldg. Co., Providence, R. I.

STAMFORD \$470,224 Ferguson Library Addn. — City of Stamford Archt: William J. Provoost, Stamford

Contr: Sam Grasso Co., Darien

STAMFORD \$4,271,390 Senior High School

Archt: Urbahn, Brayton & Burrows, N.Y.C. Contr: George L. Hickey, Inc., Stamford

STORRS \$2,410,445

North Dormitories - Univ. of Conn. Archt: McKim, Meade & White, N.Y.C. Contr: Green Manor Constr. Co., Manchester

VERNON \$118,297 Elem. School Addn.

Archt: Rossetti & Mileto, Bristol Contr: Conyers Constr. Co., Manchester

\$227,000

Parish Center & Rectory — Sacred Heart Parish Archt: Alfred Reinhardt, Springfield, Mass. Contr: Annulli Constr. Co., Manchester

WEST HARTFORD \$624,000

Library — St. Joseph's College Archt: Russell F. Hills, Hartford Contr: E. & F. Constr. Co., Bridgeport

WATERFORD \$209,904

Clark Lane Jr. High School Addn. Archt: Scholfield, Lindsay & Liebig, Waterford Contr: Robert J. Sullivan, New London

WILLIMANTIC \$561,000

Oblate Fathers Retreat House — Diocese of Norwich

Archt: A. J. Samson & Son, North Providence, R. I. Contr: Gilbane Building Co., Providence, R. I.

WINDSOR LOCKS \$233,000

St. Mary's Mission Church Archt: J. Gerald Phelan, Bridgeport Contr: Mathew J. Reiser, Inc., Hartford

MAINE

BANGOR \$135,000

Industrial Bldg. — International Harvester Co. Engr: Campbell Engrg. Corp., Detroit, Mich. Contr: Peachey Bldrs., Augusta, Me.

BRUNSWICK \$4,174,444

Capehart Housing (277 Units) USA - First Naval Distr., Boston Archt: Wadsworth & Boston, Portland

BRUNSWICK \$574,645

Brunswick Community Hospital Archt: James Saunders Assoc., Portland Contr: Fred I. Merrill, Inc., Portland

MADISON \$104,987

Old Point Elem. School Addn. Archt: Melvin W. Beck & Assoc., Waterville Contr: Berry & Rich Constr. Co., Skowhegan

NORTH WINDHAM \$500,000

Dormitory - St. Joseph's College Archt: Alonzo J. Harriman, Inc., Auburn Contr. F. W. Cunningham & Sons, Portland

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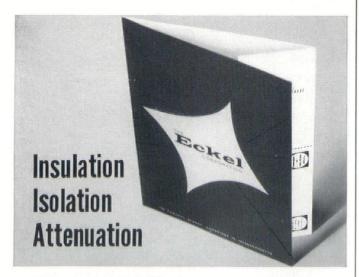
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PORTLAND Elem. School & Elem. School Addn. Archt: Beal, DePeter & Spaulding, Portland Contr: Brown Constr., Inc., Portland	\$815,938	VAN BUREN Van Buren Hospital — Proj., No. ME-31 Archt: Kendall, Taylor & Co., Cambridge, Mass. Contr: Reid Constr. Co., Inc., Cambridge, Mass.	\$645,000
PORTLAND Supermarket — George C. Shaw Co. Archt: Engrg. Service, Inc., Portland Contr: Allied Constr. Co., Portland	\$208,000	NEW HAMPSHIRE	
PORTLAND Mortuary Bldg. — S. S. Rich & Son Archt: Douglas K. Goodspeed, Portland Contr: F. P. & C. H. Murry, Cape Elizabeth	\$100,000	CONCORD Office & Mfg. Plant — Concord Finishing Co. Archt: Bradt, Littlefield & Williams, Dover, N. H. Contr: A. Taylor Corp., Concord, N. H.	\$116,100
SOUTH BRISTOL Elem. School Archt: Maurice E. Witmer, Portsmouth Contr: J. H. Miller, Inc., Woolrich, Me.	\$146,825	CLAREMONT Claremont General Hospital Addn. Archt: James H. Ritchie & Assoc., Boston Contr: The McMillin Co., Keene	\$663,941
SOUTH BERWICK High School Archt: Alonzo J. Harriman, Inc., Auburn Contr: Sprague Bros., Inc., Nashua, N. H.	\$324,900	DURHAM Hamilton Smith Library Addn. — Univ. of N. H. Archt: Koehler & Isack, Manchester Contr: Harvey Constr. Co., Manchester	\$178,200
TOGUS New Chapel Bldg. — USA Vets Admtn. Archt: Alonzo J. Harriman, Auburn Contr: F. W. Cunningham & Sons, Portland	\$169,000	GREENFIELD Treatment Bldg. — Crotched Mountain Foundatio Archt: Clinch, Crimp, Brown & Fisher, Boston Contr: Caron Constr. Co., Manchester	\$521,999 n
TOPSHAM Walter Williams Elem. School Archt: Alonzo J. Harriman, Auburn	\$120,810	NORTHWOOD CENTRE Classroom Gym Annex — Coe Brown Academy Archt: Irving W. Hersey Assoc., Durham	\$189,050



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Contr: Paul B. McLellan, Portland

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Archt: Irving W. Hersey Assoc., Durham Contr: Kenneth E. Curran, Inc., Littleton

NEWINGTON

TON \$104,068

\$122,000

Elem. School

Archt: Irving W. Hersey Assoc., Durham

Contr: S. E. LaPerle & Son, Exeter

NASHUA \$233,565

Industrial Bldg. — N. H. Industrial Park Auth. Archt: Anderson, Nichols & Co., Concord

Contr: Morris & Son Constr. Co., Lowell, Mass.

STRAFFORD \$115,750

Elem. School

Archt: Irving W. Hersey Assoc., Durham Contr: The Maxam Co., Portsmouth

WARNER \$109,975

Simonds High School & Elem. School Addn. Archt: Irving W. Hersey Assoc., Durham Contr: Andre Courchesne, Manchester

RHODE ISLAND

CRANSTON \$1,360,000

Motor Hotel — Berry Corp. Field Point, R. I. Archt: L. B. Herbst Corp., Chicago, III. Contr: E. Turgeon Constr. Co., Providence

EAST PROVIDENCE \$180,000

Recreation Therapy Bldg. — Emma Pendleton Bradley Home

Archt: T. Frederick Norton, Cranston Contr: J. Arvid Johnson & Co., Warwick

HARRISVILLE \$500,000

Cor Jesu Novitiate — Brothers of The Sacred Heart

Archt: James C. Flaherty, Dedham, Mass. Contr: Patrick J. O'Leary Bldg. Co., Dedham, Mass.

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VERMONT

BURLINGTON \$627,900

DeGoesbriand Mem. Hosp. Nursing Home Archt: Julian Goodrich, Burlington Contr: Wright & Morrissey, Inc., Burlington

MILTON \$105,343

High School Addn.

Archt: Roland M. Whittier, Burlington Contr: Kenneth R. Adams, Milton, Vt.

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It is a free-standing fireplace, designed to be placed flush against the wall. It will burn coal, charcoal and logs up to 30" long.

Because of being completely prefabricated with its own chimney, it can be installed with original construction in new homes in approximately four hours or in older homes in six to eight hours.

The Vitroliner Open-Hearth Fireplace is manufactured by Condensation Engineering Corporation of 3511 West

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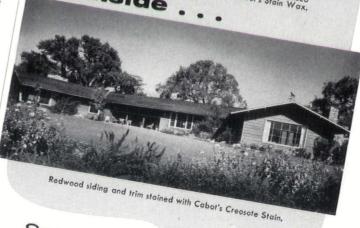
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Four, entirely new and informative booklets have been made available from the American Olean Tile Company. Booklet No. 1020, "Crystalline Glazes and Scored Tiles" describes interesting and new, wall and floor treatments. (12 pages, full color.)

Booklet No. 910 — "New Design Treatments with Large Size Tile," featuring a section of architectural renderings of installations in schools, churches, entrance foyers, restaurants and other areas. (Full color — 16 pages.)

"Color Planning with Ceramic Tile," a 16-page booklet full of brand new decorating ideas illustrated with full-color photographs, shows 28 original decorative schemes by leading interior designers. Send ten cents with order for Book No. 450.

A completely new product is described in the fourth book, "Scored Tile Brings a New Look to Residential Floors." Scored Tile is a glazed ceramic tile available in a new, tough, long-wearing crystalline glaze especially developed for use on floors. Scored Tile will open up many new design possibilities. They combine the flexibility of small unit design with the economy and easy installation of larger self-spacing units. The four booklets are available by writing to: American Olean Tile Company, 1000 Cannon Avenue, Lansdale, Pa.

CATALOG 60

Bigger than ever, Elof Hansson's new twelve-page "Catalog 60, The Complete Line of Engineered Sound Control Products," is just out for distribution to the trade. In two colors, the Catalog is completely illustrated with newest modern types of industrial and business noise controls from ceilings to doors.

These are exclusive developments of Elof Hansson, Inc. Acoustical Laboratory where all products are designed and tested. Data is confirmed by independent testing laboratories.

Construction details and recommended installation, maintenance and application methods are fully described.

Official data and ratings are indicated in detail.



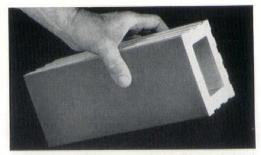
View of the new Westwood, Massachusetts, Senior High School cafeteria showing sanitary Natco Vitritile walls.

Design complete sanitation into your next school cafeteria

Everything about the new Westwood, Massachusetts, Senior High School cafeteria reflects spotless sanitation. Not only the sparkling-clean food handling and processing and serving equipment—but the very walls themselves! That's because all walls are constructed of sanitary ceramic glazed Natco Vitritile. And, because Vitritile's facing is of a durable, moisture-proof ceramic glaze, it's easy to keep clean all the time. It requires only occasional cleansing with common soap and water.

Vitritile comes in 22 different and attractive colors to fit any color scheme. The colors—and the finish—are permanent. Cannot stain or discolor. Never lose their original brilliant appearance.

For complete information on this—and other Natco structural clay tile products—write for a free descriptive, illustrated "full line" catalog.



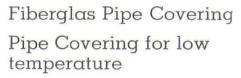
Natco Vitritile is a completely fireproof, load bearing, genuine fire clay building material that is also ideal for hallways, stairwells, locker rooms, rest rooms, classrooms and many other uses in the modern school.



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NEW CENTER FOR ENGINEERING

Construction is now in progress on Route 1 at Sumner Street, Norwood, Mass., on a new two-story modern office building which will become a center for firms engaged in engineering, construction, land development, and related fields.

The building is being constructed by Vara Construction, Inc., and will contain enlarged offices and other facilities to accommodate their expanded business volume and new Commercial and Industrial Development Division. Thirty thousand square feet will be made available for lease.



The "L" shaped building will contain approximately 22,000 square feet of office space on each floor. Exterior will be face brick and limestone with large aluminum framed glazed entrances. Every effort is being made to provide the utmost in comfort for the occupants. Office windows will be aluminum projected type with double weather-stripping. Forced hot water heat in base radiation will be furnished from a central plant with provisions for individual controls by each tenant. The entire building will be air conditioned. Lighting will be fluorescent type with minimum of 50 footcandles.

Basic interior finish will have resilient flooring and acoustical ceilings. Interior walls and partitions and other finish will be provided as specified by each tenant.

The site plan has provided an abundance of easily accessible parking space and at the same time has retained many trees and grassed areas in order to keep the clean, pleasant atmosphere of this prime suburban location.

In addition to the space for Vara Construction, Inc., space will also be finished for Norwood Engineering Co., Inc. This firm has expanded its operations greatly in the past few years and is presently engaged in many phases of civil engineering and land surveying including municipal planning, industrial and residential land development, and topographic studies.

Facilities for blueprinting and other reproduction services are also to be provided in the new center.

Other engineering and research companies have shown definite interest in locating in this new center, and the builders expect that more firms such as architects and insurance offices will recognize the economic and personal advantages of relocating in this new center.

To quote Richard II. Vara, "Here they will find all the advantages of a clean, open, suburban location with ease of accessibility to Boston and Providence via Route 1, and points north and south via Route 128, only eight minutes away. The Norwood Airport offers convenient air transportation within two miles."

The building is scheduled for occupancy early in 1960.

ASSOCIATION OF WOMEN IN ARCHITECTURE

The local group of the Association Of Women In Architecture is unique in that it is the only Chapter in the New England States, as well as the youngest in the national organization. The Boston Chapter was started in 1958 by Jane Hall, regional expansion director. She has been its president, to date. Under her leadership, the group, which meets monthly, has had many interesting lectures by people well known in their own fields; museum trips; dinner get-togethers; and a joint meeting with the Society of Women Engineers.

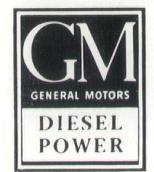


Jane Hall

Jane Hall joined the Los Angeles professional chapter when she was employed by the state of California as junior engineer in the highway design division. She received her B.S. in Civil Engineering from the Missouri School of Mines, and later, feeling the need for greater aesthetic and creative expression, attended the Harvard graduate School of Design, where she earned her degree in Architecture in 1955. She has worked in the Boston offices of Kilham, Hopkins, Greeley and Brodie, and Clinch, Crimp, Brown and Fisher. In 1954 she won a competition for a sign for the International Student Center of Cambridge, with a three-dimensional sign of aluminum and plexiglass, which is now in the yard of the Center on Garden Street. She is planning to leave soon for St. Louis, Missouri, her home town, where she intends to continue with her professional career. The Boston group wishes her success and regrets she will no longer be its president.

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The Association of Women In Architecture was started in 1917, as Alpha, Alpha, Gamma, a Greek letter sorority, at Washington University and the University of Minnesota, by women students in Architecture. Eventually alumni outnumbered students and many were established in their professions. It was felt the organization should be broadened to include other professional women. Therefore, at the 1948 convention in San Francisco, it was reorganized as the Association of Women In Architecture, with Alpha, Alpha, Gamma as the

undergraduate affiliate. There are now over 1000 members living in almost every State of the Union, as well as in several foreign countries.

Professional women in Architecture, Landscape Architecture, City Planning, Interior Design, Textile Design, Mural Painting, Sculpture, Ceramics, Industrial Design and other fields directly associated with Architecture, are invited to join the Boston Chapter by contacting Alison King at 336 Harvard Street, Cambridge, or telephoning her at either UN 8-7864, or CO 7-4077.

—— Gainey's—— CONSTRUCTION Newsletter

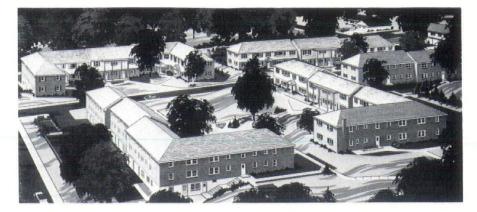
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Architect's drawing shows the five 2-story garden apartment buildings which comprise the 70-unit Cooper Hill Apartments now under construction on Hartford Road in Manchester, Connecticut, completion being scheduled for late fall.

The apartments, which utilize only 15% of the available 5 acres, are being built under Federal Housing Administration regulations. There will be spacious landscaped areas, fenced-in Tot Lots, and drying yards.

There will be four-room one bedroom and five-room two bedroom apartments available, with several of the five-room apartments being of the duplex type.

In addition to off-street parking areas, some basement garages will be available.

Builders are the Cooper Hill Apartment Corp. of West Haven. Architect is Arnold Lawrence of Manchester. Construction cost \$550,000.

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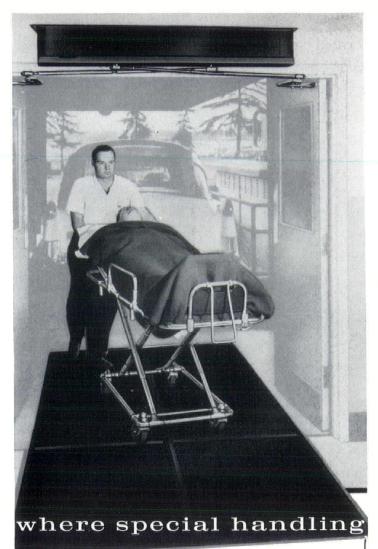
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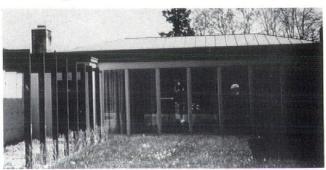
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Striking new roof designs have taken on major importance in contemporary home building today, sparked by the development of Follansbee Seamless Terne, a traditional metal refined in recent years to completely suit the color-conscious, linear feeling of today's homes.

Produced by the Follansbee Steel Corporation, Seamless Terne was enthusiastically endorsed by the undisputed leader of American architecture, Frank Lloyd Wright, and by forward-looking architects throughout the country. Unusually adaptable in both form and color, Seamless Terne presents the architect and builder with a roofing metal that becomes a significant and integral part of the structural design, forming imaginative lines and shadows, creating ridges and elevations in the roof that give a whole new look to the contemporary house.

Terne metal, an alloy of lead and tin on a base of sheet steel was originally developed in Wales shortly after 1720, and enjoyed a great vogue in this country during the nineteenth century, in particular. Its durability and strength are demonstrated in the terne roofs still extant on many historic buildings, including Andrew Jackson's "Hermitage" and the "Octagon House" in Washington, D. C. (today the national headquarters of the American Institute of Architects). Realizing its potential in contemporary terms, Follansbee Steel Corporation refined and improved terne with a specific aim in mind — to make it a major roofing material of the present and future, and make the very old become the very new — with a resultant resurgence of interest in terne throughout the architectural and building world.



Architects Williams and Wells of New York have created a completely contemporary design for the Reading, Connecticut home of Roger Conant, utilizing two of today's most popular architectural elements; glass walls and a terne roof. Made of Follansbee Seamless Terne, the roof adds a stimulating visual accent to this typically modern structure and brings a needed impression of height to the overall pattern.

Today, residences utilizing Follansbee Seamless Terne roofing as an integral design element are to be seen all over the country, with many other important homes currently under construction. Typical contemporary applications, modern in thinking although differing in inspiration, are the ultra-modern Gavello home in Sunnyvale, California, designed by Anshen and Allen, and the Colonial-type Howerton house in Charlotte, North Carolina, by M. E. Boyer. Frank Lloyd Wright's Dobkins residence in North Canton, Ohio, with its pale blue terne roof, is another important example of the desirability of terne to architects, builders and home-owners alike.

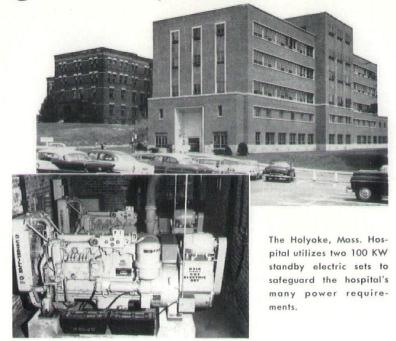
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WHAT'S IN A NAME?

A lot can happen in 34 years, particularly to a manufacturing firm that not only keeps up with the times but actually sets the pace in the development of many new products for the building trade.

A lot did happen to just such a well-known Cambridge firm . . . so much so that the company has been obliged, however reluctantly, to change its name from California Stucco Products of New England, Inc. to California Products Corporation.

Changing a name that has become familiar to and respected by the trade is a ticklish job. The most serious factor of course is the temporary lapse of recognition until the new name is as familiar as the old. Secondly, there is the vast amount of changes to be made on records, labels, letterheads, and the like.

With all this in mind the change was made and the new name, California Products Corporation, while retaining a recognizable link with the old, is a more concise and accurate reflection of the company's present products and services . . . a name

that will retain its universality despite the innovations and additions that the future is expected to bring.

The California Products Corporation had its beginnings in 1926 when Mr. Napoleon Bernier, president of the company, began manufacturing stucco under a franchise of the California Products Company of San Francisco. Stucco was being widely received at that time and franchises were being set up to service the entire country. In 1930, when the depression hit and the building business came to a standstill, Mr. Bernier bought up his franchise and became an independent producer of stucco. This is how the name California Stucco Products came to represent a firm that is strictly New England with all products manufactured in Cambridge, Massachusetts.

Mr. Bernier, a man of vision coupled with inventive ability, carried on in stucco while looking into other fields. Before the war the company became a leading processor of Vermiculite, a mineral with remarkable insulating and soundproofing qualities. After the war, experimentation in the use of plastics in decorative finishes led to a line of latex paints and other related products for the building trade.

Here are but a few of the products so well known in New England and now gaining fame nationally and abroad: a complete line of fine latex paints, Allwall for interior surfaces; Plexicolor for exterior surface, Micafil and Caspro Vermiculite Insulation — the loose-fill, do-ityourself insulation for homeowners or builders; Plexichrome — nonstaining color coating for asphalt tennis courts; Caspro Orostone a durable stone and plastic finish in an unlimited color range; Weld-O-Bond — a bonding agent for concrete or plaster; Caspro Silicone a water-repellent coating for bricks or masonry; California Stucco for interior or exterior surfaces in many colors.

"What's in a name? That which we call a rose, by any other name would smell as sweet." California Stucco Products of New England becomes California Products Corporation.

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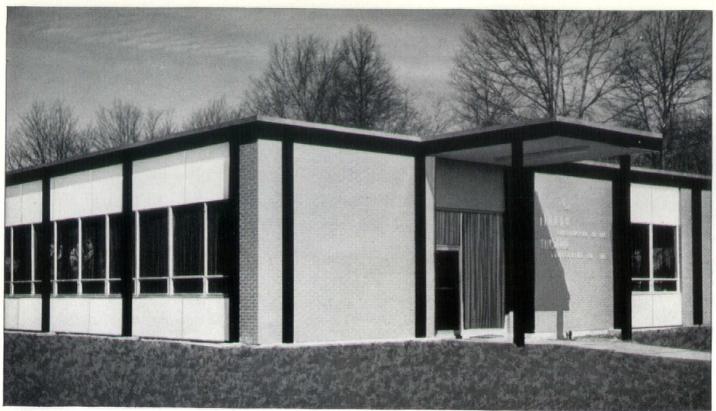
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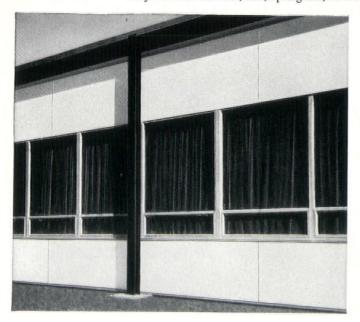
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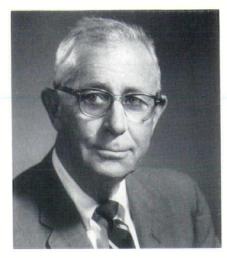
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Division has been transferred to CC&F Associates, Inc., and the Associates will continue to provide the site planning, architectural and engineering services offered under the CC&F Package Plan program.

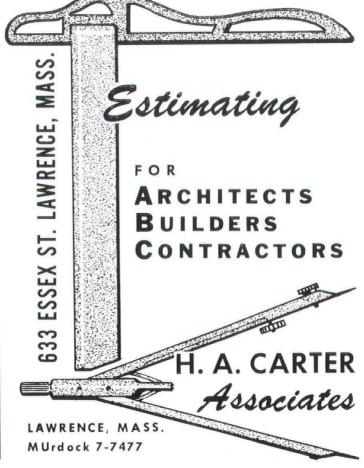
Current projects include a Research Center for the Mitre Corporation in Bedford, a manufacturing and office building for Clevite Corporation in Waltham, several manufacturing buildings for Polaroid Corporation in Waltham in association with Hugh A. Stubbins and Associates, and a reception center and dining facility for the Arthur D. Little Research Center at Acorn Park, West Cambridge. Of the above, three are Package Plan Projects.

President of Cabot, Cabot & Forbes Associates is Ambrose Burton. A professional engineer, Mr. Burton is also the President of Aberthaw Construction Co. and a Vice-President of Cabot, Cabot & Forbes Co. Charles H. Crombie, Registered Architect, is Vice-President of the Associates and John J. Hammond is Treasurer. Other Associates include: Andrew Daland, Registered Architect; James F. Norton, Registered Architect; Fritz F. Hampe, Professional Engineer; Henry A. Frost, Jr., Spencer M. Hurtt, Paul P. Shepherd, James J. Sullivan and David A. Tilden.



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Suretyship (Continued from page 25)

In addition, the requirement of bonds would make practical the introduction of competitive bidding, an end long sought because of the apparent benefit to our taxpayers.

In this direction, there can be no question that bonding companies have proved their worth. The qualification of greater numbers of contractors for the bidding of public work has saved the American public untold billions of dollars.

If bonding companies can perform this service for public authorities, isn't it reasonable to assume that they can successfully perform the same service for other entities? Surely, in the field of private construction, they can effect substantial savings to those who contemplate a building program.

It is only in the rare instance when private building is contemplated that an architect is not employed. Fortunately, in most cases his services are utilized. When they are, his responsibilities are great. He must prepare plans and specifications which are concise, clear, legible and legal. He must select a qualified contractor who will provide his client with the maximum in value at a minimum of cost.

Today's matured bonding companies are exceptionally well equipped to perhaps more perfectly evaluate a contractor's ability to undertake a particular project in certain respects than even the architect whom an owner employs, because they are more likely to be aware of a contractor's shortcomings than most awarding authorities. They are usually quick to point out to a contractor-client the dangers inherent to him in over-extension, in his failure to protect himself against labor and materials increases and in doing business with subcontractors and materials suppliers whose financial condition or workmanship is not of the best.

Fortunately, most contractors are fully cognizant of these basic considerations and subscribe fully to their bonding companies' admonishments that they make certain of the adequacy of their bids and the need for maintaining good cost and financial records.

If, then, an architect carefully considers that part of his obligation to his client that demands he keep the latter's cost to a minimum, he must consider the advisability of suggesting a bond to his client. Through its use, for a small premium, he can

conceivably extend his list of bidders and thus provide his employer with a project built to conform to his highest standards, but with a minimum of cost.

Sureties or bonding companies have proved their value in the scheme of American business. They purport to be and are without question the business partners and advisors to contractors; and most important, they have saved both public and private awarding authorities vast sums of money.

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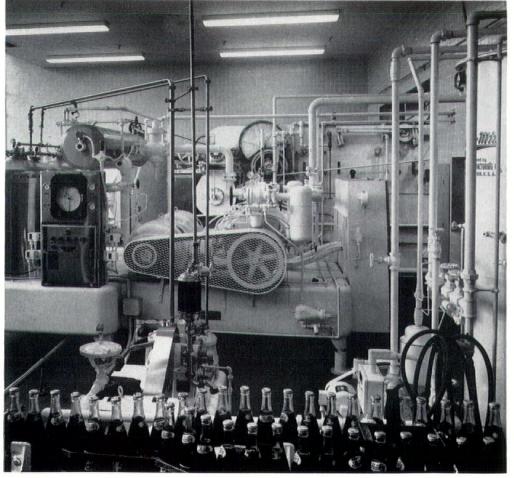
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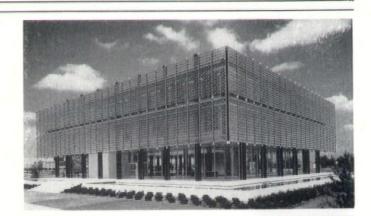
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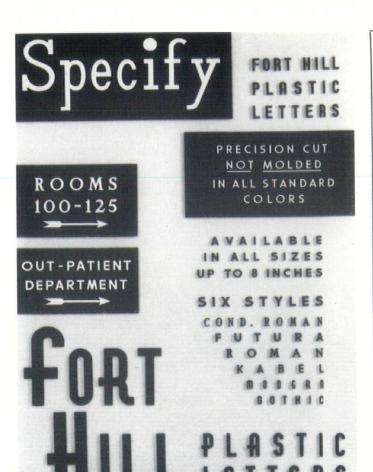
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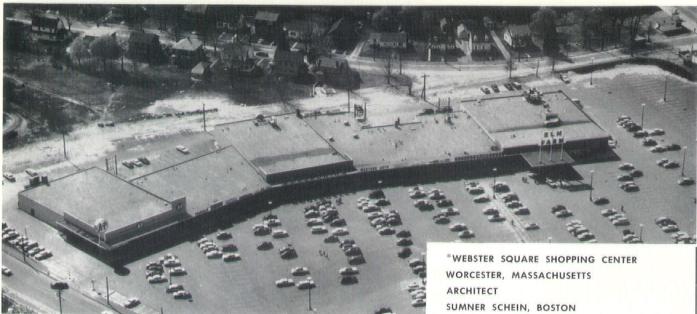
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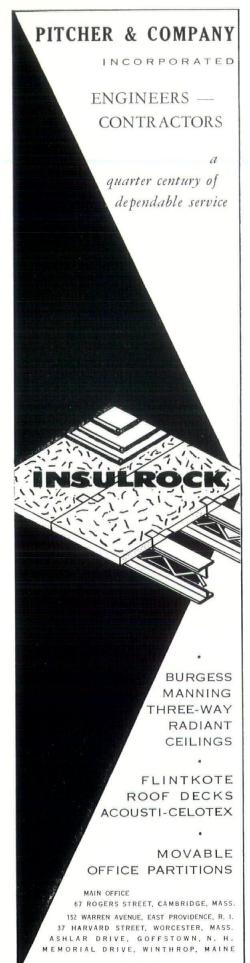
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