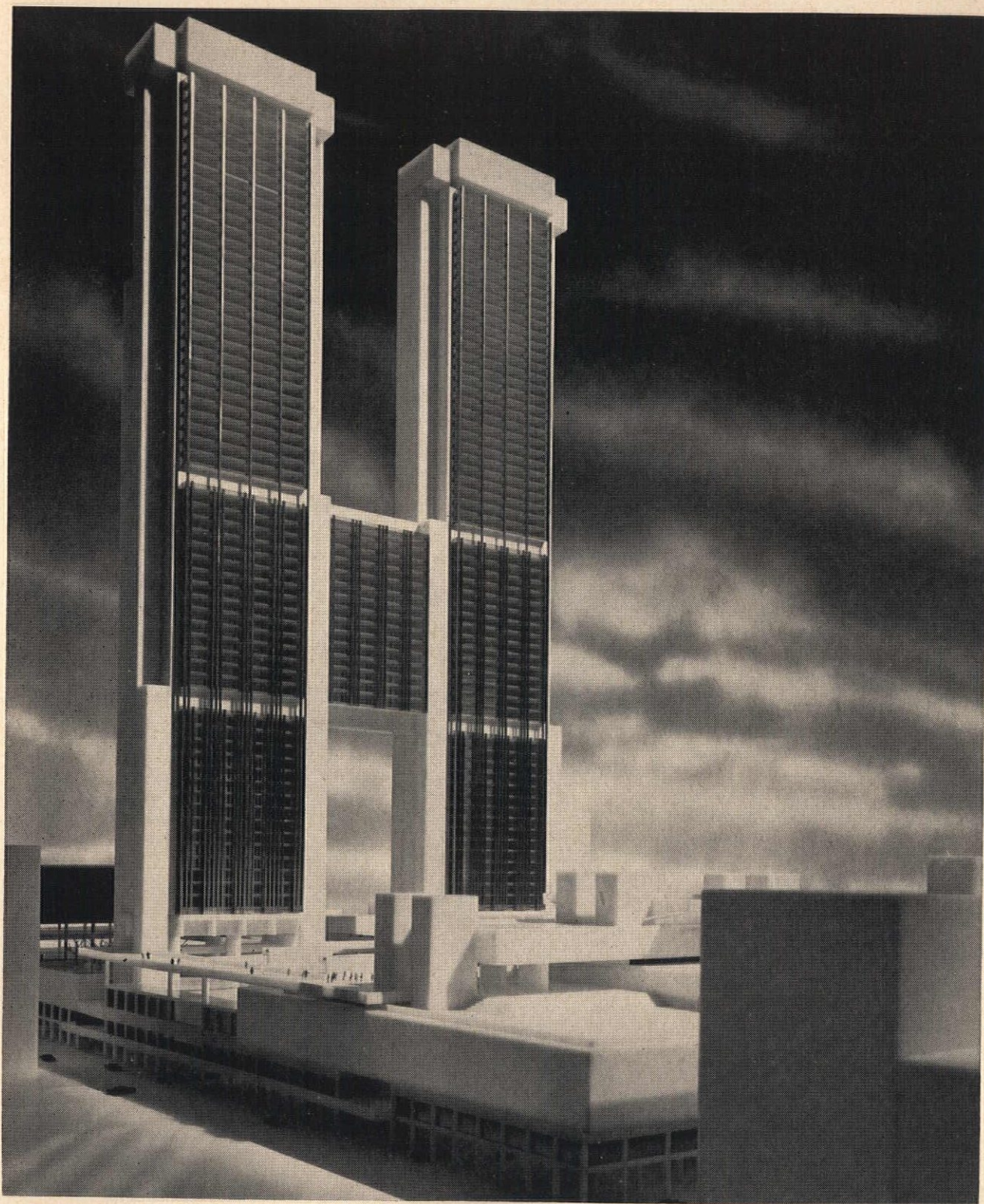


NEWS REPORT

Architecture's Monthly News Digest of Buildings and Projects, Personalities, New Products



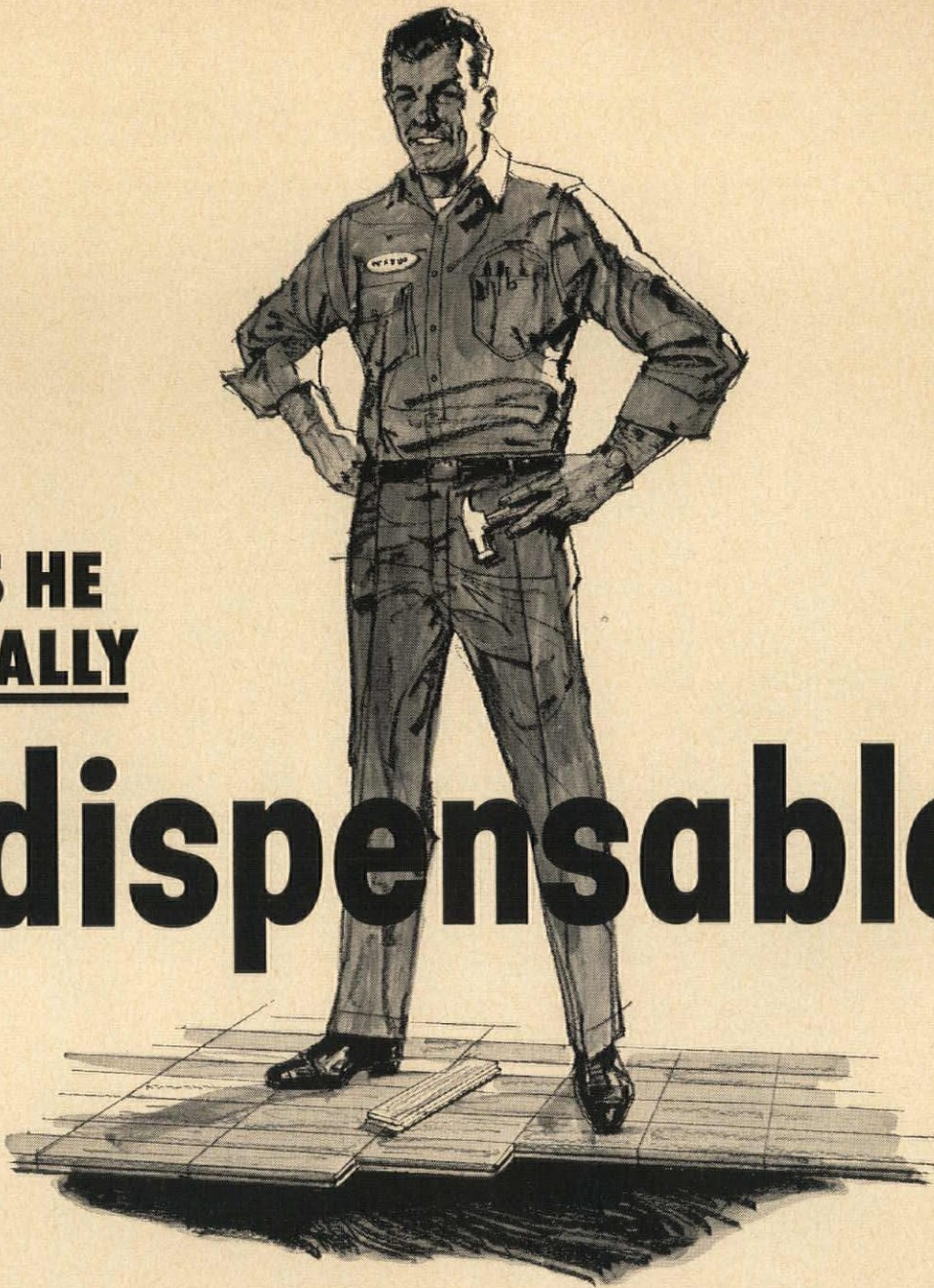
"Main Place," the multilevel center proposed as catalyst for the redevelopment of Dallas by Columbia study.

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93 PRODUCTS: LAMPS AND PARTITIONS

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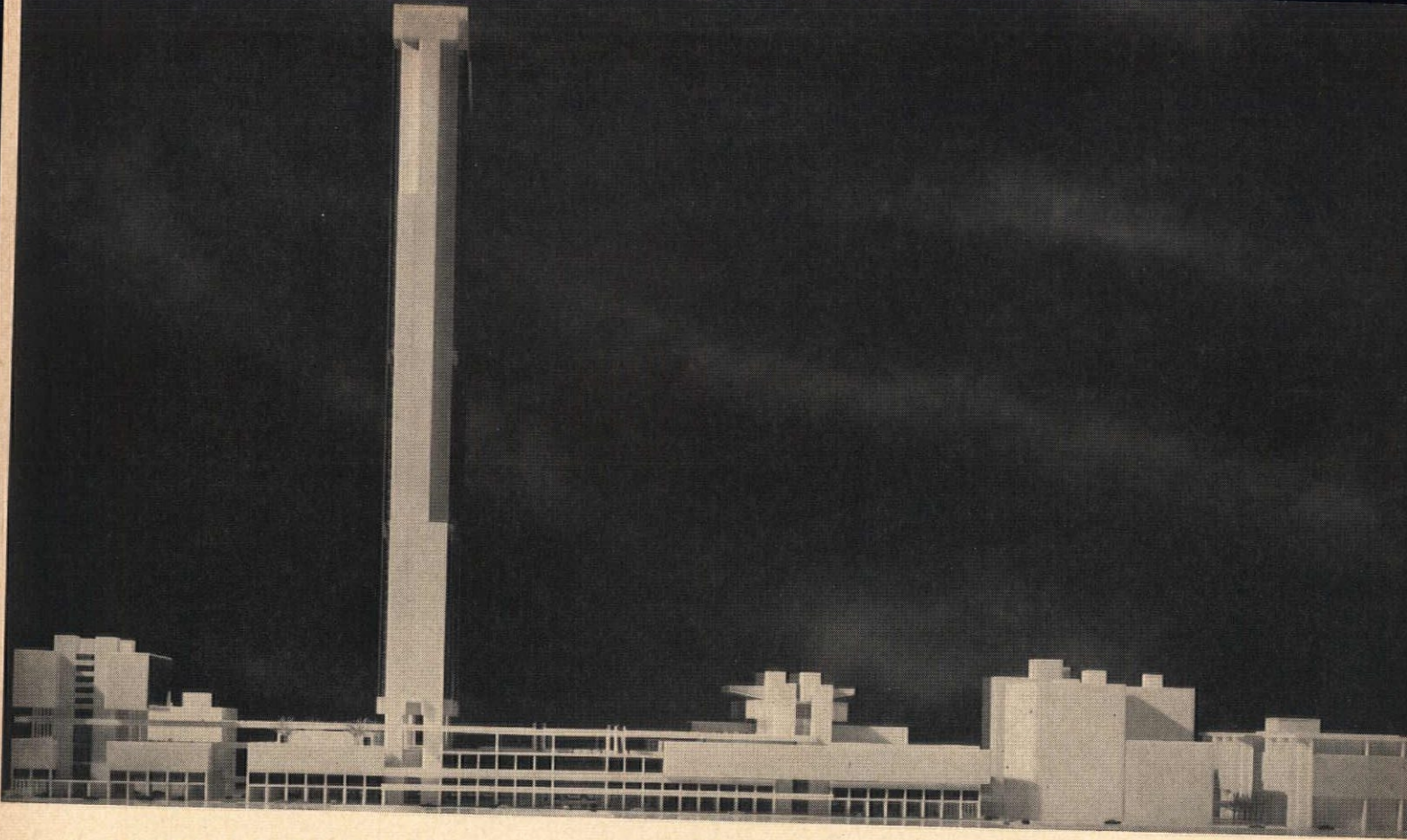
tion to insist on superior flooring installed by a quality contractor. And when you specify a Robbins hardwood floor system, you're assured of both!

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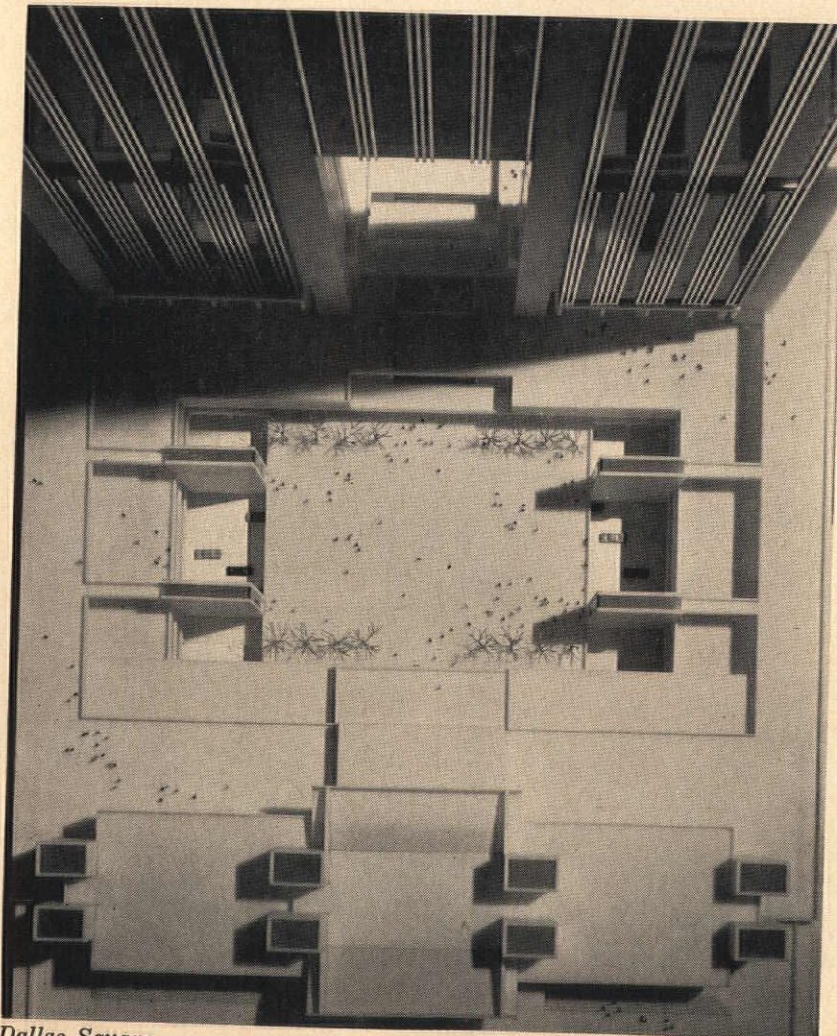
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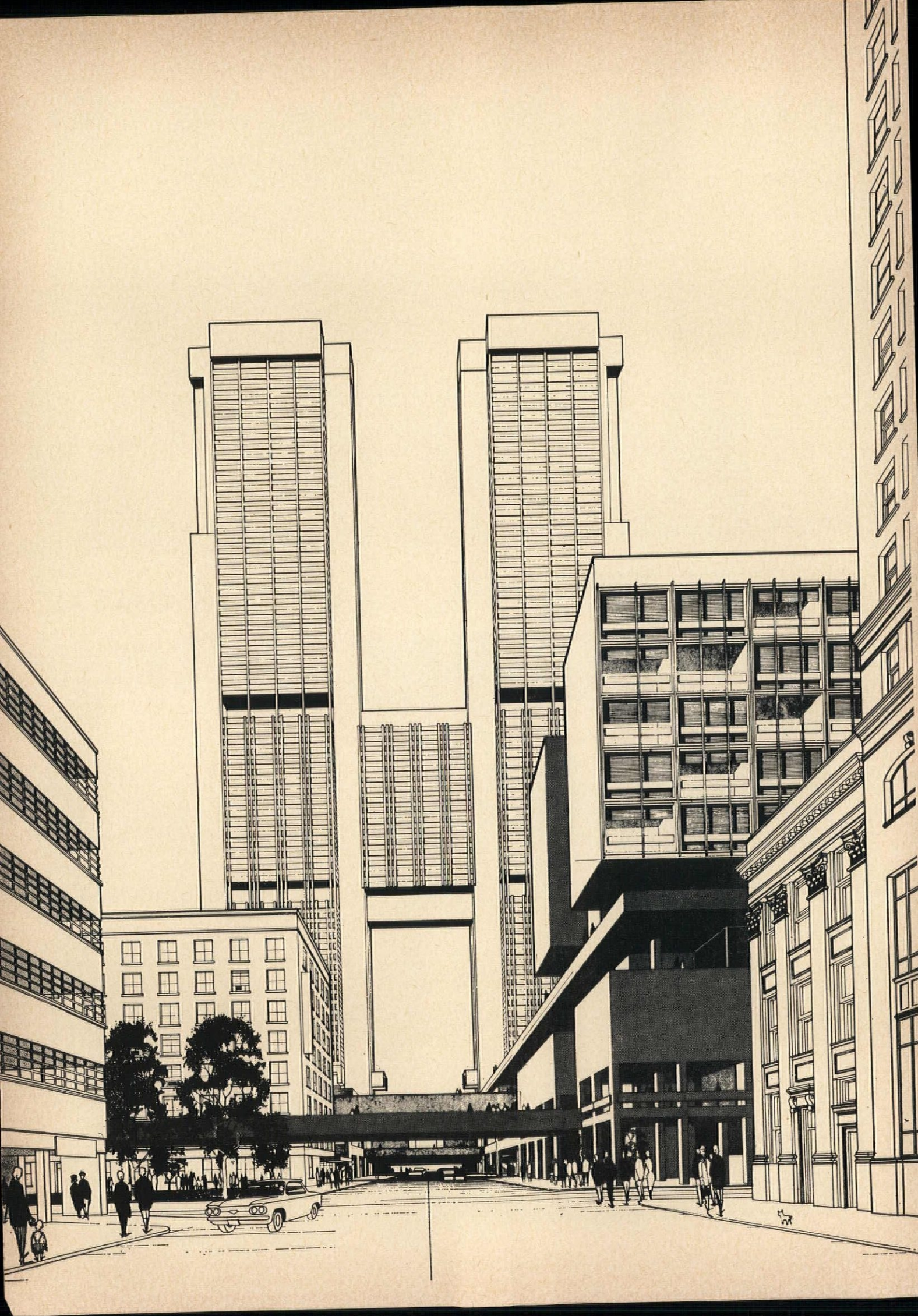
COLUMBIA TEAM STUDIES DOWNTOWN DALLAS



Dallas Square.

DALLAS, TEXAS In a move to revive the deteriorating western section of the Dallas central business district through private enterprise, W. W. Overton, Jr., Chairman of the Board of the Texas Bank and Trust Company of Dallas and Chairman of the Research Committee of the Central Business District Association, has financed a study by a faculty/student team at Columbia University's School of Architecture for an immediate and long-range future plan for the city.

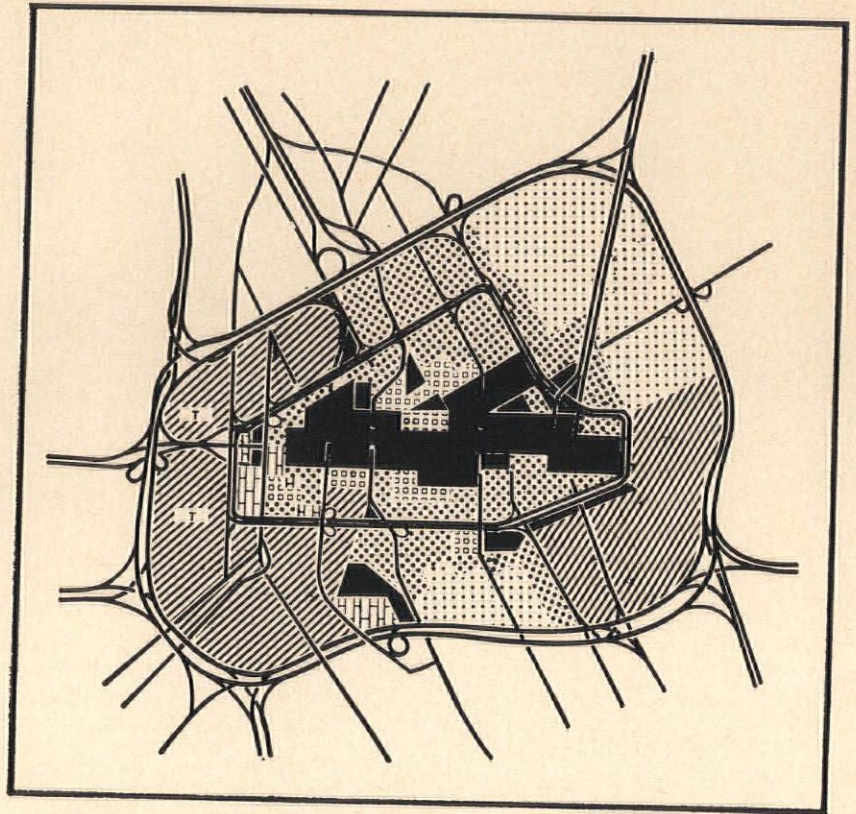
The initial redevelopment section, or "catalyst," for the larger downtown redevelopment is a four-block, 9.75-acre area owned by the Overton and Murchison families are nine other holders, who are now being asked to join in promoting the enterprise. The Columbia plan thus expresses itself in three elements: "Main Place," the four-block catalyst (p. 65), to be completed in one to 10 years; the "reaction" section of 36 blocks, to take shape in five to 20 years; and the eventual renewal of 60 downtown blocks, ranging from 15 years on. The provision of facilities is arranged around corporate management, finance, retailing, and government. Conceiving of real estate as volumetric rather than planar, the Columbia group developed a plan that vertically "stacks" different activities and services, and separates not only pedestrian and vehicular traffic, but also different kinds of motor traffic.



Site of the eventual 60-block area is within a soon-to-be-completed expressway loop. To this existing facility, the Columbia plan adds an inner ring distributor road and a system of interchanges and feeder streets to service the CBD.

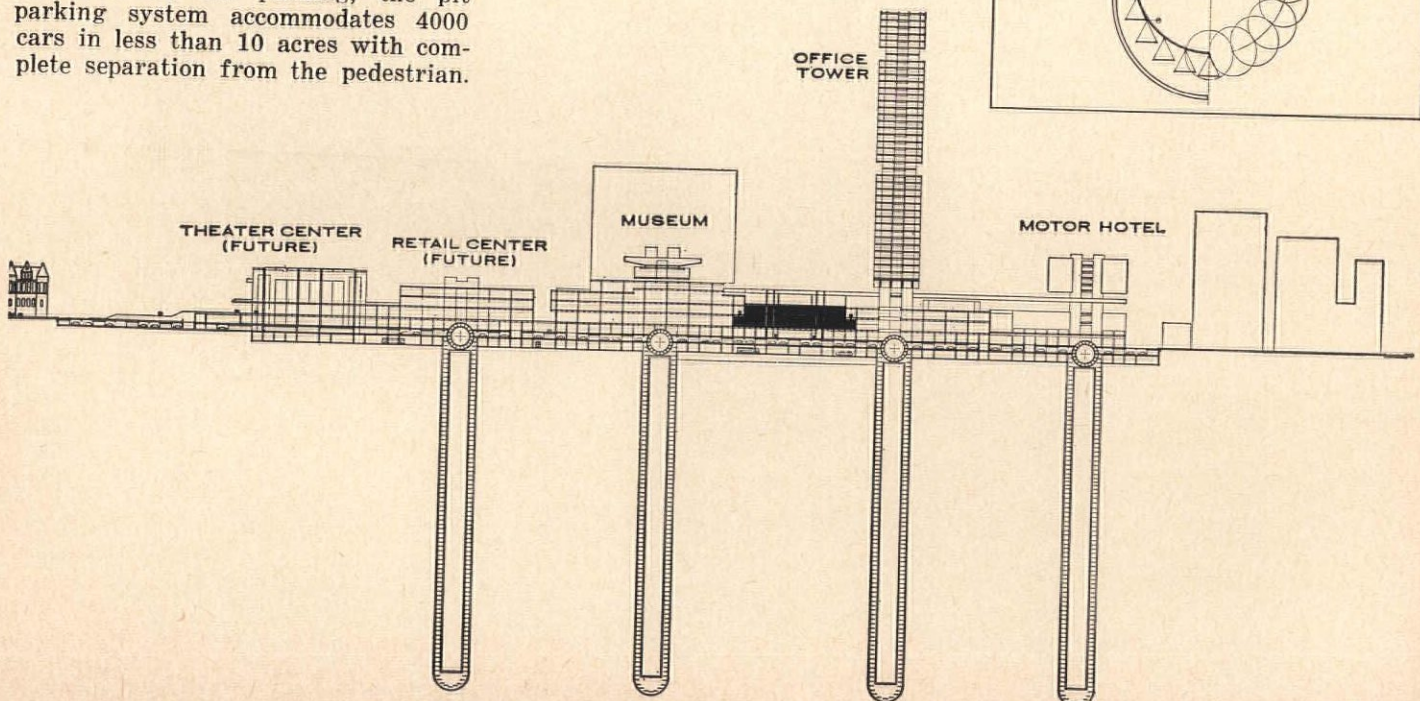
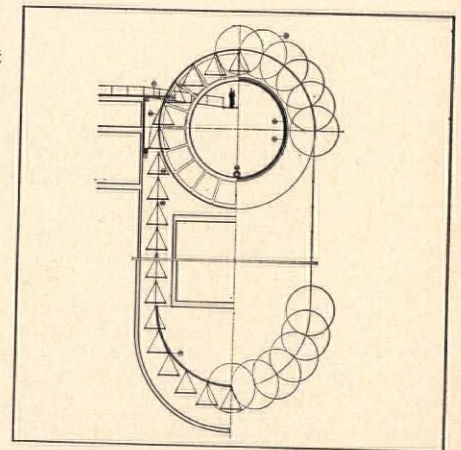
The multilevel spine system, which is the heart of the plan, consists of a linear plan with activities segregated vertically. Main Place contains six levels. The lowest, two levels below ground, is for storage and movement of trucks and long-distance buses. The second is for long-term flat parking. At existing street level, movement of passenger cars, taxis, and shuttle buses takes place. Here also is ingress and egress to the pit parking system. The next two levels are for pedestrians, arranged around a great central square, "Dallas Square" (p. 67). The sixth level has recreational facilities. Above this rise two office towers, a motor hotel, and a museum. From this nucleus in the 36-block "reaction" phase would extend another motor hotel, two more office buildings, four apartment buildings, a large retail development, and a performing arts center. The central spine would be carried to the county buildings.

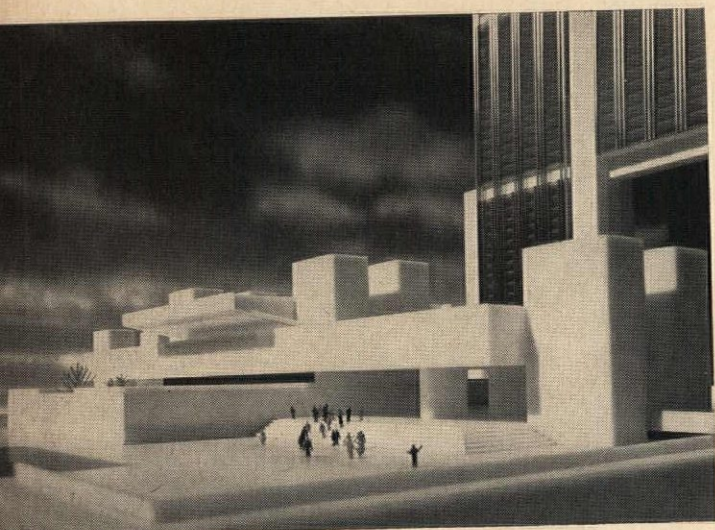
A significant element in the separation of the "travel container" and the human being, and in the conservation of precious space, is the unique pit parking system. The system is automatic and requires only 47 sq ft per car as compared to 400 sq ft for flat parking. There is a pit for 680 cars in the middle of each block of Main Place, approached at street level. The conveyor cycle of the system is 30 minutes, so the driver can retrieve his car every half hour from the time he puts it in. In combination with the 1000-car flat parking, the pit parking system accommodates 4000 cars in less than 10 acres with complete separation from the pedestrian.



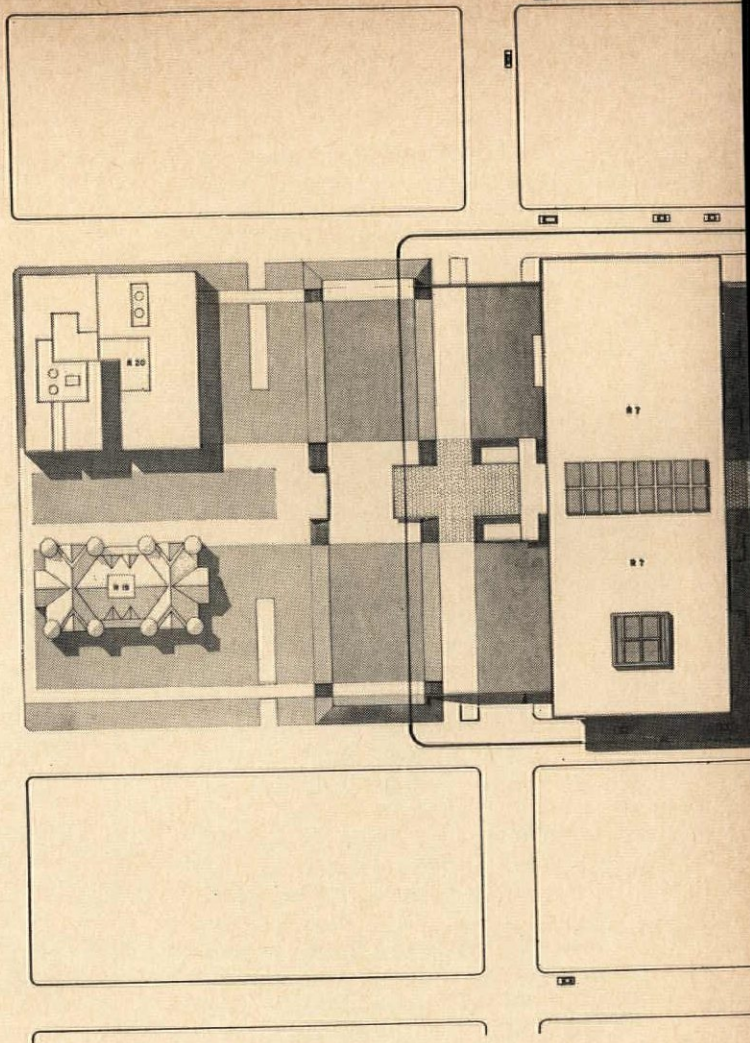
Plan for core shows freeway loop, distributor ring, inner spine.

Detail of pit parking system.



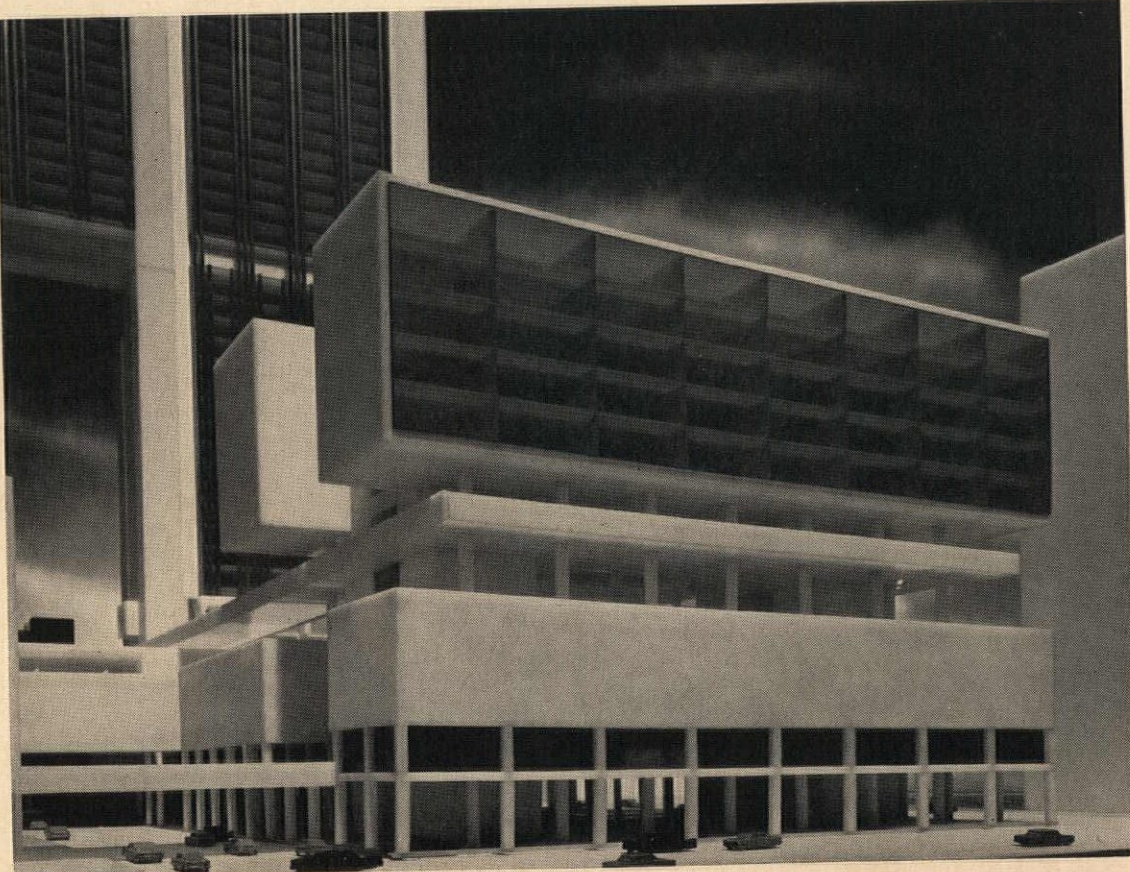


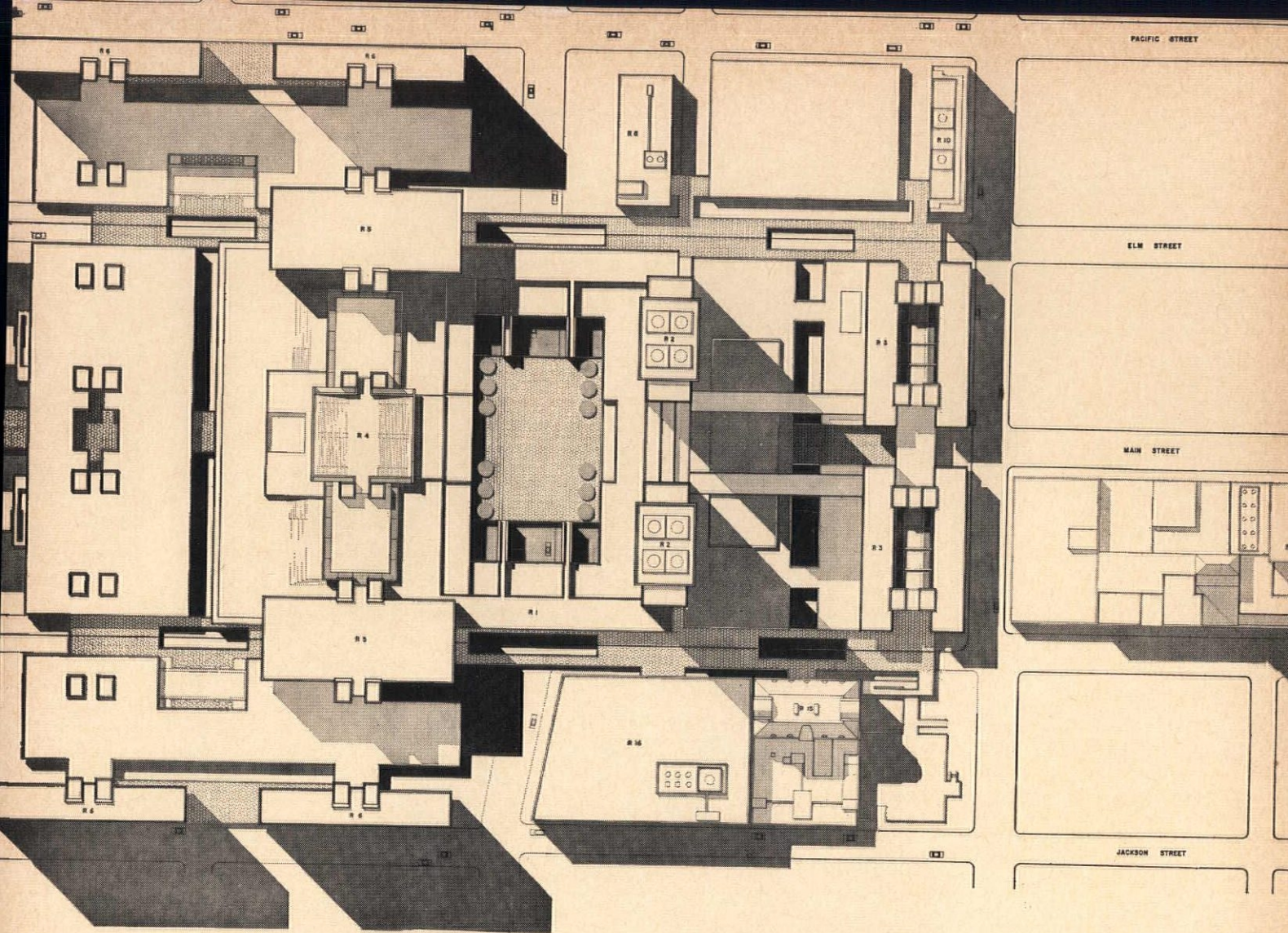
Museum.



Motor Hotel.

Photos: Ezra Stoller Associates





Surrounding Dallas Square in the initial development area are, on the main pedestrian level, specialty shops and stores, the lobby of the department store, and service offices such as ticket offices, banks, and savings and loan firms. The motor hotel is reached via pedestrian walkways. On the upper pedestrian level are additional shops of the type that people will seek out, and the first floor of the department store. The recreation level contains bowling alleys, the motor hotel's swimming pool, generous pedestrian areas, and the second floor of the department store. Above the department store is the two-story museum, providing 22,500 sq ft of enclosed space. In addition to the exhibition space, the museum has a lecture room and a restaurant (there is a larger restaurant in the department store). Atop the museum is an open-air theater seating 750.

The 60-story office towers rise across from the museum, and are divided into four "zones" of 15 floors each. Each zone is served by its own elevator and mechanical core, a relationship expressed on the exterior (pp. 65, 68). Structure of the building also is expressed by corner columns, which

diminish as the building rises. The second 15-story zone forms a bridge between the two towers, and creates larger single-floor rental area for clients who are in need of some additional space.

The ultimate, 60-block redevelopment area would contain expanded and updated facilities for two of the section's present industries: the garment trade and printing. There would be a transportation center, and middle-income housing and housing for the elderly is planned over underground warehouses. Throughout the entire scheme would run the central spine.

The Columbia team that worked on the Dallas plan included, from the faculty, Dean Charles R. Colbert, Economist Ernest M. Fisher, Urban Planner Stephen Carroll, and Designer-Critic Key Kolb. Students of architecture participating were Aaron Daniel, John D. Davison, Onhan Erdil, Gerald Exline, Friedrich St. Florian, James Patterson, Howard C. Pederson, Robert G. Price, Robert J. Reilly, Jack Solka, William Todd Springer, and Carlisle Towery. Students of planning were Noor Ahmed, Neil Robert Berzak, Stanley Ronald Friedman, and Peter Garrison.

Legend for 36-block stage (above):

- R 1 Walkway*
- R 2 Office Tower*
- R 3 Motor Hotel*
- R 4 Museum-Amphitheater*
- R 5 Office Building*
- R 6 Apartment Tower*
- R 7 Performing Arts Center*
- R 8 United Fidelity*
- R10 Rio Grande*
- R11 Adolphus Hotel*
- R15 Santa Fe*
- R16 G. S. A.*
- R19 Museum*
- R20 County Buildings*

PERSONALITIES

If the professional activities of its new president are any indication of what the compelling interests of the Institute will be in the coming year, the AIA can expect a strong emphasis on design and planning for education under the leadership of **Henry Lyman Wright**. For the past 30 years, his firm, Kistner, Wright & Wright of Los Angeles, has been responsible for the design and construction of more than 2000 schools. Wright himself has served on school building committees for both national AIA and the California Council of AIA; has spoken on the subject before many professional and school groups; has served as consultant to the school districts of New Orleans and Tucson; and even has had a school named after him—the Henry L. Wright Intermediate School, in Norwalk, California.

Born in San Diego in 1904, Wright attended San Diego State College, the Southern Branch of the University of California, and the University of Southern California, plus taking a study tour of Europe under the direction of the USC College of Architecture. In 1922, while still in college, he worked as an office boy in the firm of T. C. Kistner, becoming a partner of Kistner, Wright & Wright in 1941. (This year, he can celebrate his fortieth anniversary in the same office.)

For a dozen years, Wright has been officiating in local, regional, or national AIA. He has been president of both the southern California chapter and the California Council. He served as second vice-president of the national organization in 1958-1959, and has been first vice-president since 1960.

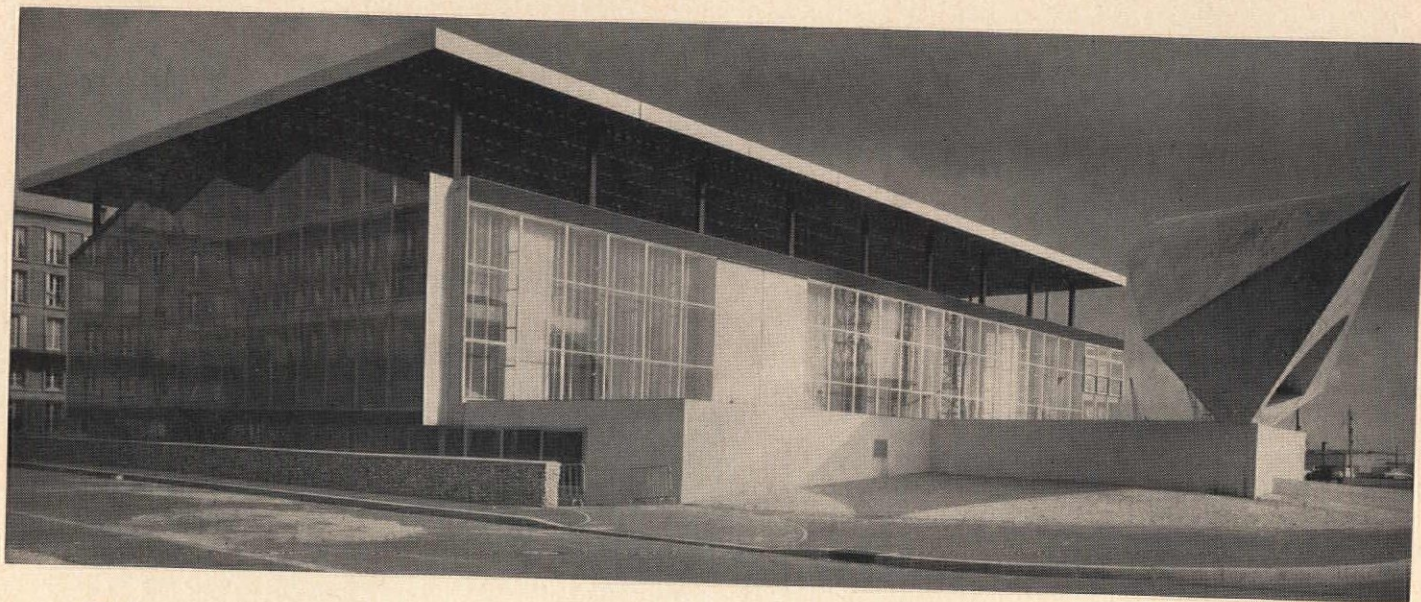
At this month's convention, AIA will bestow Honorary Fellowships on men from eight countries: J. H. VAN DEN BROEK, Netherlands; AMANCIO WILLIAMS, Argentina; HECTOR MESTRE, Mexico; STEEN EILER RASMUSSEN and ARNE JACOBSEN, Denmark; HERNAN LARRAIN-ERRAZURIZ and EMILIO DUHART H., Chile; JERZY HRYNIEWIECKI, Poland; NGO-VIET-THU, Vietnam; and JOHN B. PARKIN, Canada. . . . City planning head JAMES FELT received the Public Service Award from the Citizen's Housing and Planning Council of New York. . . . Annual Collaborative Medal of Honor of New York's Architectural League went to EERO SAARINEN & ASSOCIATES for its Thomas J. Watson Research Center; League also presented three gold medals nine silver medals, and twelve honorable mentions. . . . MORRIS KETCHUM, JR., has replaced HARMON GOLDSTONE as head of the Municipal



Art Society; Goldstone resigned to join the New York City Planning Commission. . . . Although the one he staged last year was announced as his swan song, EDWIN BATEMAN MORRIS is doing yet another "Scrapple Breakfast" for the Tile Council of America at the Dallas AIA Convention. . . . New York chapter AIA presented its 1962 Award of Merit to author Lewis MUMFORD. . . . HAROLD G. LEWIS, president of Flint Steel Corp., Tulsa, Okla., was re-elected president of the American Institute of Steel Construction. . . . Painter EDWIN DICKINSON was elected to fill the membership in the American Institute of Arts and Letters made vacant by the death of EERO SAARINEN. . . . RICHARD J. CANAVAN, former director of NAHB, is now Assistant Commissioner of the Office of Technical Standards of FHA. . . . In an interview he gave after he had accepted the \$20,000 Kaufmann International Design Award recently, Dr. WALTER GROPIUS praised groups like Britain's "Anti-Uglies" who try to combat thoughtless devastation of

cities through bad planning and design. Gropius cited the British group's victory in having a grotesque proposal for Piccadilly Circus defeated. As part of a team doing New York's Pan Am Building for Erwin S. Wolfson and Jack Cotton (the latter the perpetrator of the Piccadilly bomb), Gropius let it be known that he will prepare a new design for the Circus site—for guess whom? . . . MAYHEW D. SEAVEY has been appointed Assistant to the Dean of the School of Architecture of Boston Architectural Center. . . . BARBARA GRAY, director of research for William L. Pereira & Associates, was one of nine California women to be honored as "Women of the Year" by the *Los Angeles Times* recently. . . . Two appointments at Harvard Graduate School of Design are WILLIAM A. DOEBELE as Associate Professor of City and Regional Planning and CHARLES W. HARRIS as Associate Professor of Landscape Architecture.

Sketch by *Raimundo Corbelli*



Glass Walls + Glass Roof = Aluminum Award

DALLAS, TEX. An AIA jury has chosen a "daring and unusual" French museum to receive the sixth annual R.S. Reynolds Memorial Award (which carries with it a \$25,000 honorarium plus an original aluminum sculpture by Harry Bertoia). The award-winning Museum Cultural Center, owned by the city of Le Havre, is used for exhibitions, concerts, and lectures: it includes library, art school, club, and 800-seat auditorium. Nearly all wall and roof areas are sheathed in glass; because problems of glare and solar heat were largely eliminated, artificial lighting is not normally used.

The jury particularly applauded the "ingenious and sensitive" solution to one of the controls of natural light—a great sunscreen that floats over the building. Aluminum framework of the sunscreen is supported on extensions of the building's main columns. Fixed-angle blades in the shape of airplane wings are of striated aluminum.

Major criteria for judging were: (1) architectural concept and solution; (2) success in controlling natural light; and (3) use of aluminum in contributing to the design. It was felt that aluminum enhanced the design not only in the unique sunscreen but also in the skylight structural system and in the window walls. Altogether, 37 tons of aluminum were used, an important consideration being its corrosion-resistance in the seaside atmosphere of Le Havre.

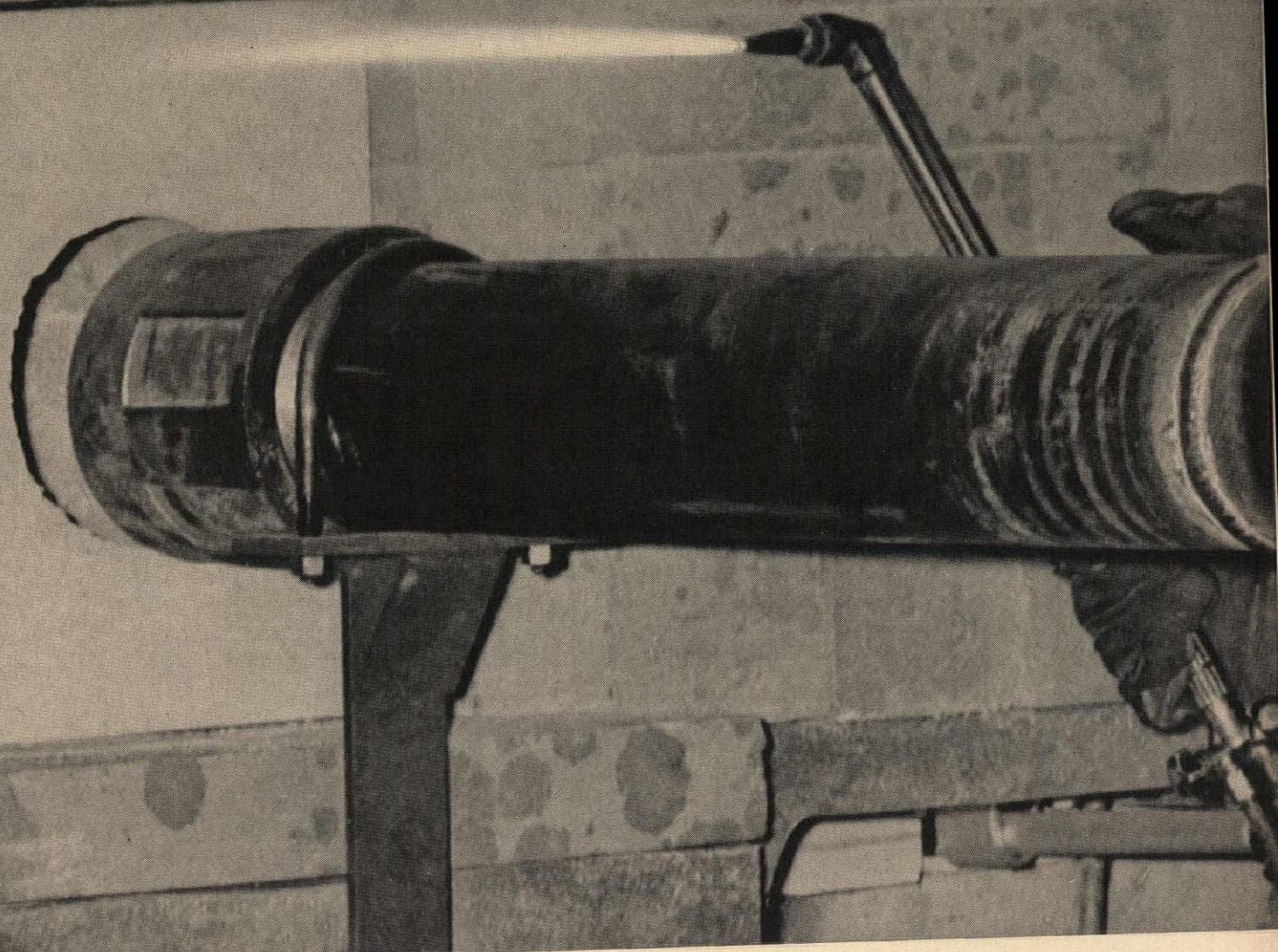
Sharing the honors are Guy Lagneau, Michel Weill, and Jean Dimitrijevic, principals in a Paris architectural firm, and collaborating architect Raymond Audigier, of Le Havre. Jury consisted of John Carl Warnecke, Gyo Obata, Pietro Belluschi, Lawrence Perkins, and Santiago Agurto Calvo.



Museum roof is fully skylighted. A ceiling of white plastic is suspended below the roof trusses, and artificial lighting is placed within the truss area.

Each elevation is different, having been designed for its orientation and special problems. Critical west wall has two sheets of glass separated by a 3' ventilated air space.





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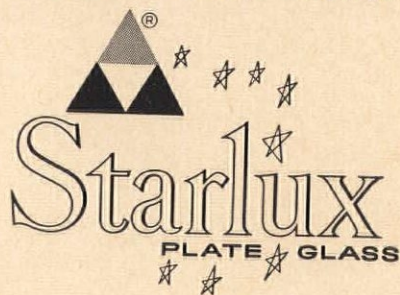


came at 12⁰² PM...

The country's newest plate glass plant, built by American-Saint Gobain at Greenland, Tenn., has started its first campaign. Soon it will be producing A-SG's "STARLUX" Plate Glass.

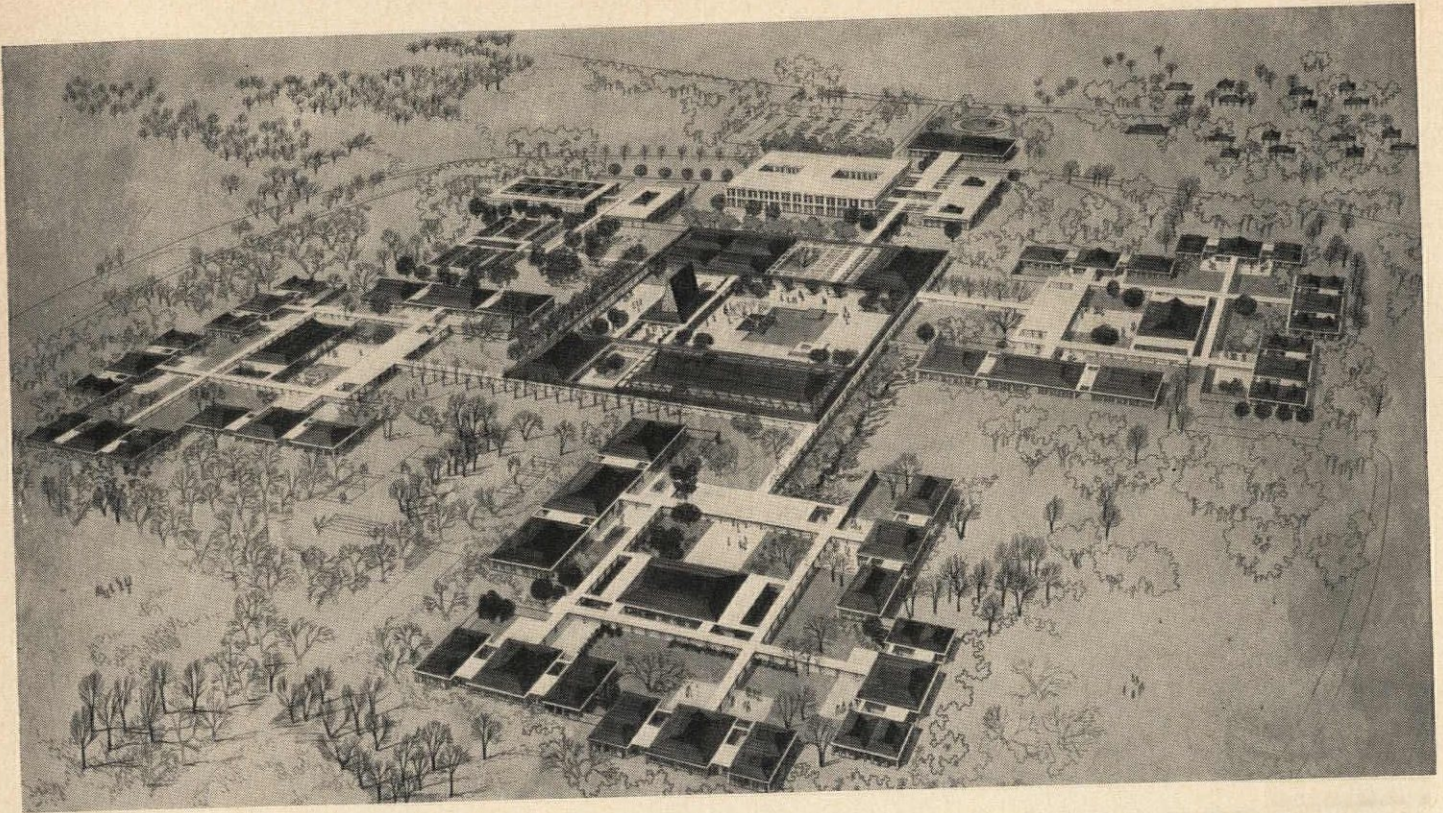
Here at Greenland—near Kingsport, Tenn.—the first step towards actually producing the highest quality plate glass available in the U. S. took place on April 3. It was then that a technician lighted off the 300-ton tank from which will soon flow an endless ribbon of glass. This modern, multi-million dollar glass plant will give American-Saint Gobain the distinction of being the only domestic manufacturer of all major types of flat glass—plate glass, window and sheet glass, and patterned glass.

Whether you're an architect, a manufacturer or a jobber, Greenland U.S.A. is news, good news! For the latest information on sizes, delivery and prices, call your nearest A-SG office. You'll find the telephone number in your classified telephone directory. American-Saint Gobain Corporation, Kingsport, Tenn.

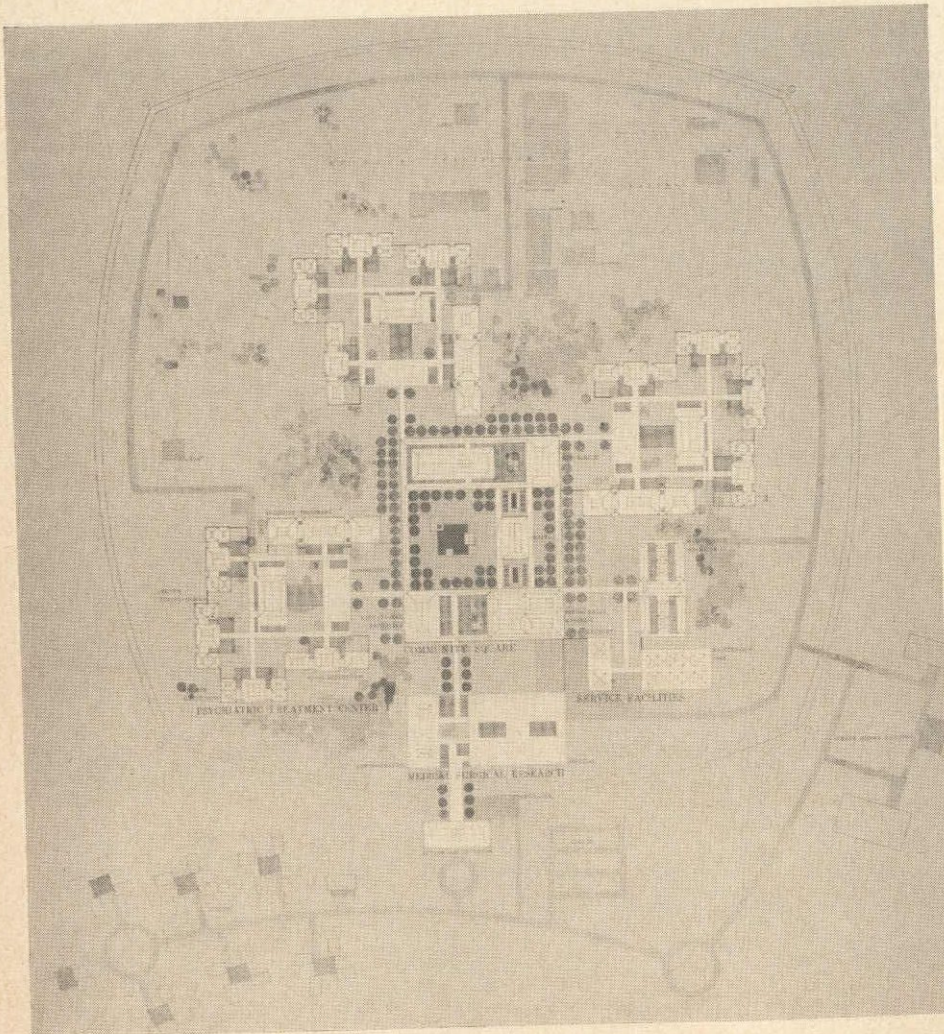


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Aydelott Design Wins Federal Competition



WASHINGTON, D.C. Recently, the Department of Justice's Bureau of Prisons and the General Service's Administration Public Buildings Service conducted an invited architectural competition for the design of a new type of building: a psychiatric hospital for Federal prisoners. Eight firms with backgrounds in the design of health and/or penal buildings were invited; the winner was A.L. Aydelott & Associates of Memphis.

The winning design creates the feeling of a small village by breaking up housing into three "neighborhood units" surrounding a "civic center." The residential atmosphere is enhanced by the use of pitched roofs and living yards adjacent to the housing. Earth in front of the fence line is mounded so that the barrier is not visible from within the treatment compound. Medical and surgical research buildings complete the complex; they are well integrated into the plan, but are slightly aloof from the other facilities in attitude. The "civic center" contains chapel, gym, auditorium, educational facilities, and dining halls and kitchen. One of the housing clusters is the psychiatric treatment center for medium to intensive supervision and treatment. Use of prefabricated units would make construction economical.

Associate Architect on the project was Caudill, Rowlett & Scott; Hugh Stubbins was the Design Consultant.



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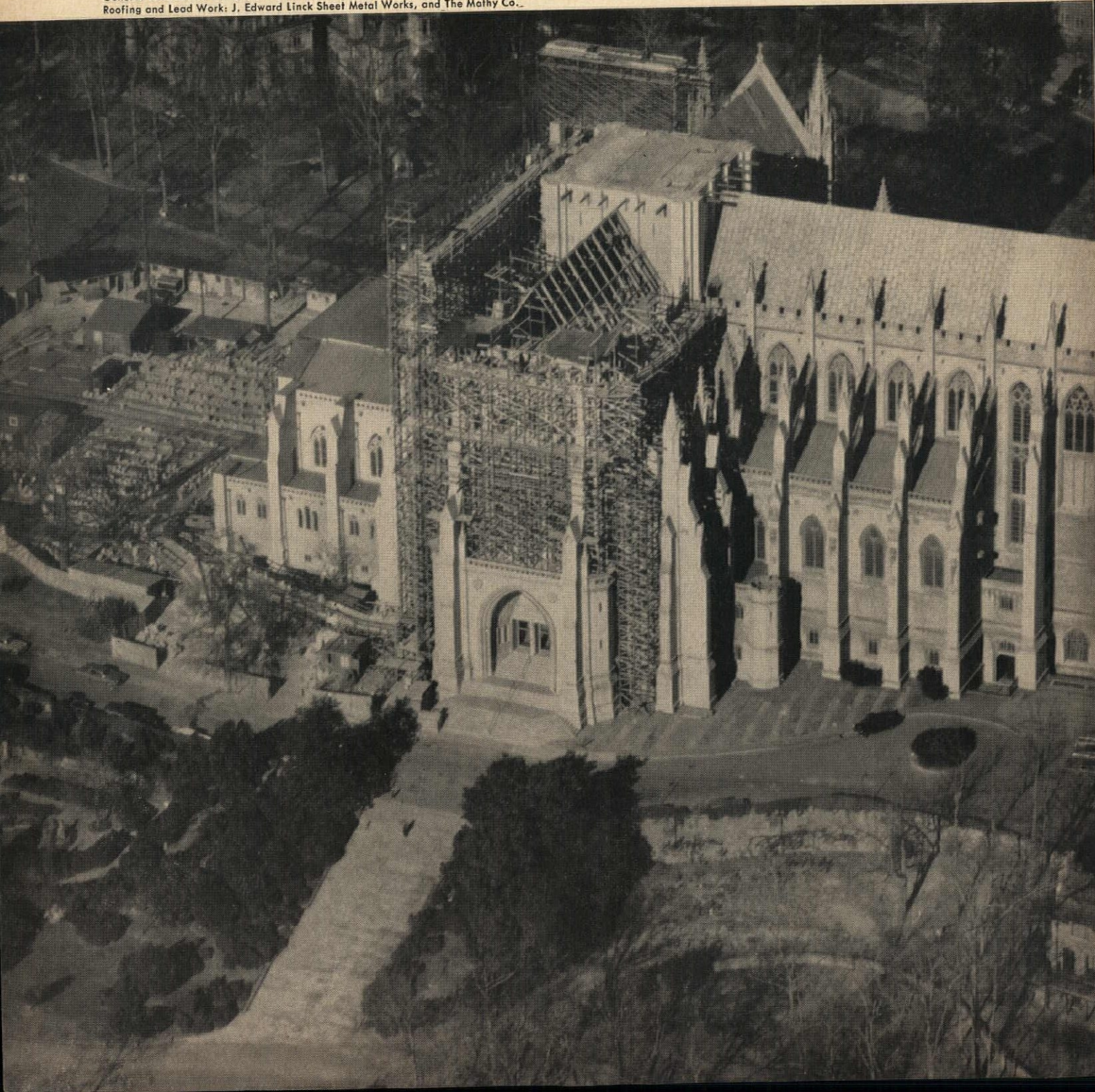
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New sections of Washington Cathedral being roofed with lead.

25 years in

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All stone in Washington Cathedral is set on lead pressure-relieving buttons in the joints.

the sky... LEAD ROOFING'S AS GOOD AS NEW



Except for its attractive, uniform patina, the hard lead roofing atop the completed sections of Washington Cathedral is unchanged since its installation a quarter century ago. And some sections of the lead batten roof have passed their fortieth maintenance-free year.

This magnificent structure in 14th Century English Gothic style is now 65 percent complete, and new sections are currently being roofed with hard lead sheet. Why lead? Because it will not stain adjacent stone. Its inherent flexibility allows it to conform obligingly to intricate and irregular surfaces, thus installation is easier and cheaper. And lead *lasts!* Had this Cathedral actually been built in the 14th Century, its lead roofing could well be intact today.

Elsewhere throughout the Cathedral, lead is also at work. Lead pressure-relieving buttons bear the weight in thousands of stone-to-stone joints. And representing the course and continuity of Christian history are dozens of leaded stained-glass windows.

At Saratoga Spa in upstate New York, Federal Courthouse in New York City's Foley Square, and in Rahway Reformatory in New Jersey, lead roofs have also passed their first of many quarter centuries of maintenance-free service.

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For more information, turn to Reader Service card, circle No. 364

AESTHETICS CONFERENCE ADDRESSED BY HECKSCHER

August Heckscher, Special White House Consultant on the Arts and Director of the Twentieth Century Fund, gave the feature address at last month's "Conference on Aesthetic Responsibility" sponsored by the New York chapter AIA.

"Judging by the apparent attitude

dertake on a large scale the kind of public works which are truly *public*—in the sense that they serve the highest interests of the citizenry; and truly *works*—in the sense that they are made to endure and to be judged by future generations . . .

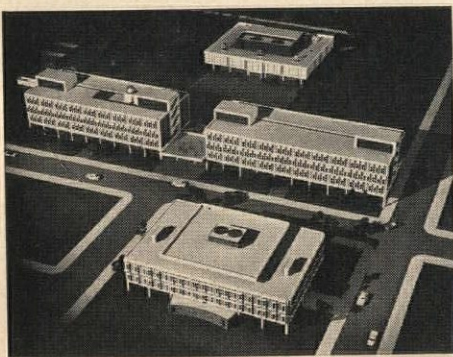
"We have been prepared to call on the best architects in the country when it has been a matter of building abroad At home, however, the story is quite different We might well feel impelled to ask, in regard to our own public buildings, whether we consider ourselves to be so backward or uncivilized that we cannot enjoy the kind of beauty which we prepare for others.

"... [But] there is certainly an influence taking shape which promises for the America of tomorrow a more sane appreciation of the true values which make a civilization . . .

"Let us make sure, as we build for ourselves, that men and their cities prove of equal worth. It is not, after all, only beauty itself, but also the striving for beauty that lifts up men and make a civilization. We shall strive in our own way, as this second half of the century moves toward its meridian. Who shall say that the striving will not bring its own rewards? Who shall know where the greatest achievement will ultimately lie—within ourselves, or upon the enduring face of the things we have created?"



of too many present-day Americans," Heckscher said, "there is doubt whether we shall ever be able to extricate ourselves from a descending spiral of ugliness and irrationality. What is required is readiness to un-



RUTGERS EXPANDS

Construction will begin in the fall on the first four elements of an eventual 19-building master plan designed by Kelly & Gruzen for Rutgers College in Newark, N.J. The four buildings will be the library (*top center*), the law center (*foreground*), and the science and humanities buildings (*left and right center*). The plaza, which the library will face, has been designed as the focal point of the campus. Structures will be reinforced

concrete frame featuring exteriors of concrete wall panels, glass, and brick.

Why Not?

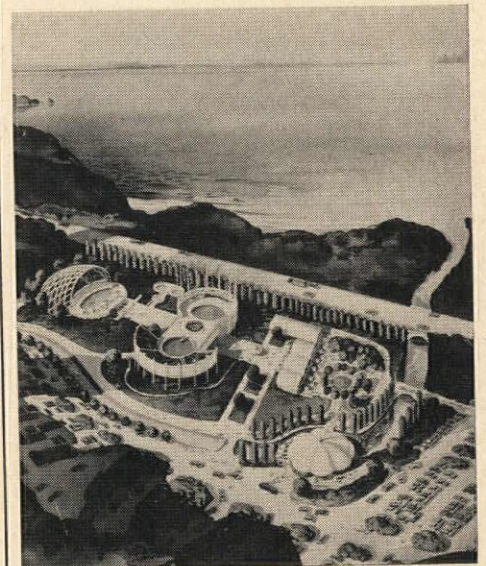
Former President Harry S. Truman, giving the word to Washington reporters during one of his famous morning walks recently, pronounced what seems to this department a pretty good idea of what to do with statues of generals and assorted militia which seem to infest many cities. "Franklin D. Roosevelt and I used to talk of putting them all in one park, lined up in military formation," he said.

TALLEST FOR LOOP

A projected 35-story office building for Chicago's "Loop" will be the largest and tallest built there since the early 1930's. Designed by Skidmore, Owings & Merrill, the building will feature a weight-bearing, stressed-skin exterior structure, with 37-ft



concrete bays. It has been named after the Brunswick Corporation, largest tenant signed up thus far.



Provision for Piscine Performers

Across the Golden Gate from San Francisco in Mill Valley, a "Marine-world" exhibition complex will rise by fall of next year. Designed by Mario Gaidano, the project will consist of (from left to right in the rendering): a 3000-seat Aqua Theater; the main exhibit building with two large performing pools and smaller exhibition tanks; and a three-acre section containing picnic area, concessions, and restaurants. A channel in from the

Continued on page 84

MACOMBER V-PURLINS



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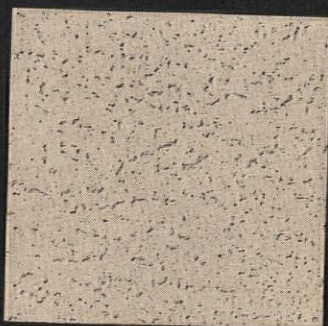
MATADOR. Grace, dignity, elegance and poise are captured in metal and preserved for the ages in this sculpture "The Matador", by the French master Jacques Lipchitz. The enduring beauty of Lipchitz' work has been safeguarded by his recent bequest of 300 original sculpture plasters to Israel's new Jerusalem Museum of Art. (The Collections of The Minneapolis Institute of Arts. Purchase, 1952. John Cowles Foundation Fund.)



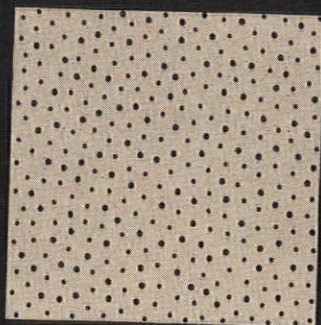
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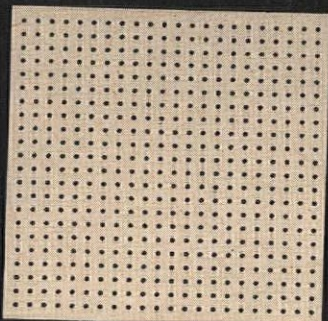
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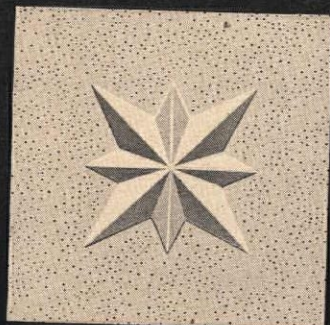
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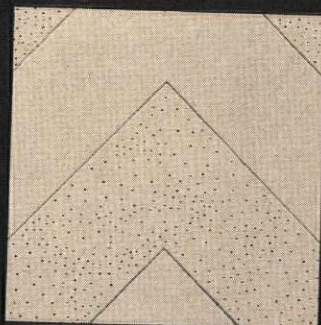
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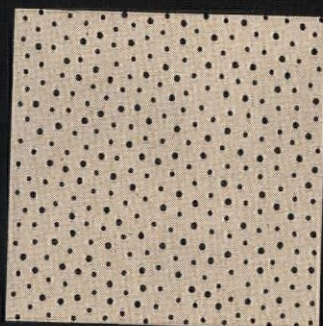


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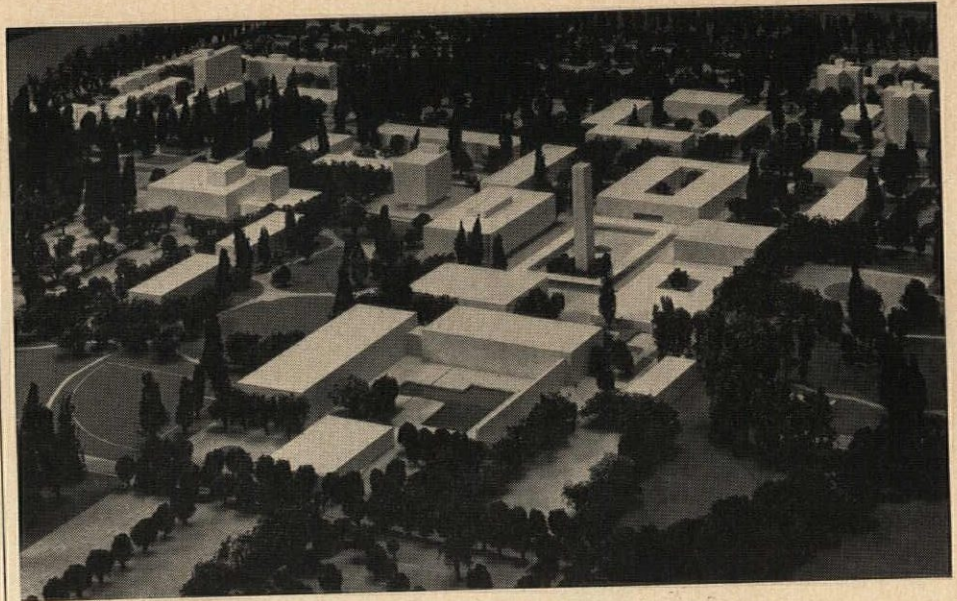
WOOD CONVERSION CO.
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Continued from page 80

bay will be diverted to separate the complex from the parking lot. The public will enter the main building at a lower level and observe marine life through viewing windows before emerging at the top, where there will be a 1500-seat arena. One of the 80-ft-diameter pools will be for sharks, one for whales. The architect and client are working with planning commissions and other municipal bodies to make certain that "the project is an ideal example of co-operative effort."

Architecture in Decline

Louis Kahn was the speaker at the last of a recent series of symposia, *The Building Boom: Architecture in Decline*, sponsored by the Architectural League and the Museum of Modern Art. Unfortunately, his unprepared statement did not contribute anything to the discussion. More significant was the summary of the series by the moderator: as long as the ownership of land is in private hands, there is no hope for architecture; as Abraham Lincoln has said—land, like air and water, should be in the public domain.



NEW COLLEGE FOR CALIFORNIA

Master plan by John Carl Warnecke & Associates for new campus of Sonoma State College near Cotati, California, groups major activities around a campanile court. Three main elements are: academic and science center, above campanile; administration center, to right of campanile; and

physical education center, surrounding swimming pool below campanile. Completion of these units, which will result in a 2000-student facility, is expected in 1967. Present plan comprises the nucleus of what will eventually be a 12,000-student campus, which is forecast for 1985.

DISCUSSANTS ANNOUNCED FOR WORKSHOP CRITIQUE ON STEEL IN ARCHITECTURE

All architects and their consulting structural engineers are urged to circle June 14 and 15 on their calendars and to plan to be in New York on those days.

PROGRESSIVE ARCHITECTURE's plans for a Workshop Critique at that time, to discuss critically the winning entries in the Architectural Awards of Excellence Program of the American Institute of Steel Construction, are now at the point where the "critics" can be announced. They are the five members of the jury for the AISC judgment, which is being held at about the time this issue goes to press. Those jurors are:

Robert W. Cutler, FAIA, partner in the firm of Skidmore, Owings & Merrill.

George Edson Danforth, AIA, Director, Department of Architecture and City Planning, Illinois Institute of Technology.

John T. Grisdale, FAIA, Partner, Carroll, Grisdale & Van Alen.

William J. Le Messurier, William J. Le Messurier & Associates.

Julian Whittlesey, FAIA, Partner, Whittlesey & Conklin.

The Workshop Critique will be conducted in the manner of the P/A Design Awards Seminars—that is, the architect and the engineer of each building to be analyzed will present their work by means of slides and description. A discussant (one of the jury members listed above will then analyze the architectural and structural result, as critically as he wishes. The designers will have an opportunity to respond if they wish, and, after that, discussion will be thrown open from the floor. This technique has proved to result in lively, critical, intra-professional analysis, of benefit to all who are at the sessions. It is hoped that at this Workshop Critique useful evaluations and conclusions can be drawn as to the future of steel in architecture: the directions that structural design in steel should take, its relation to present building technology, and its ability to solve the new planning needs that architects are facing today in individual buildings and in the broader

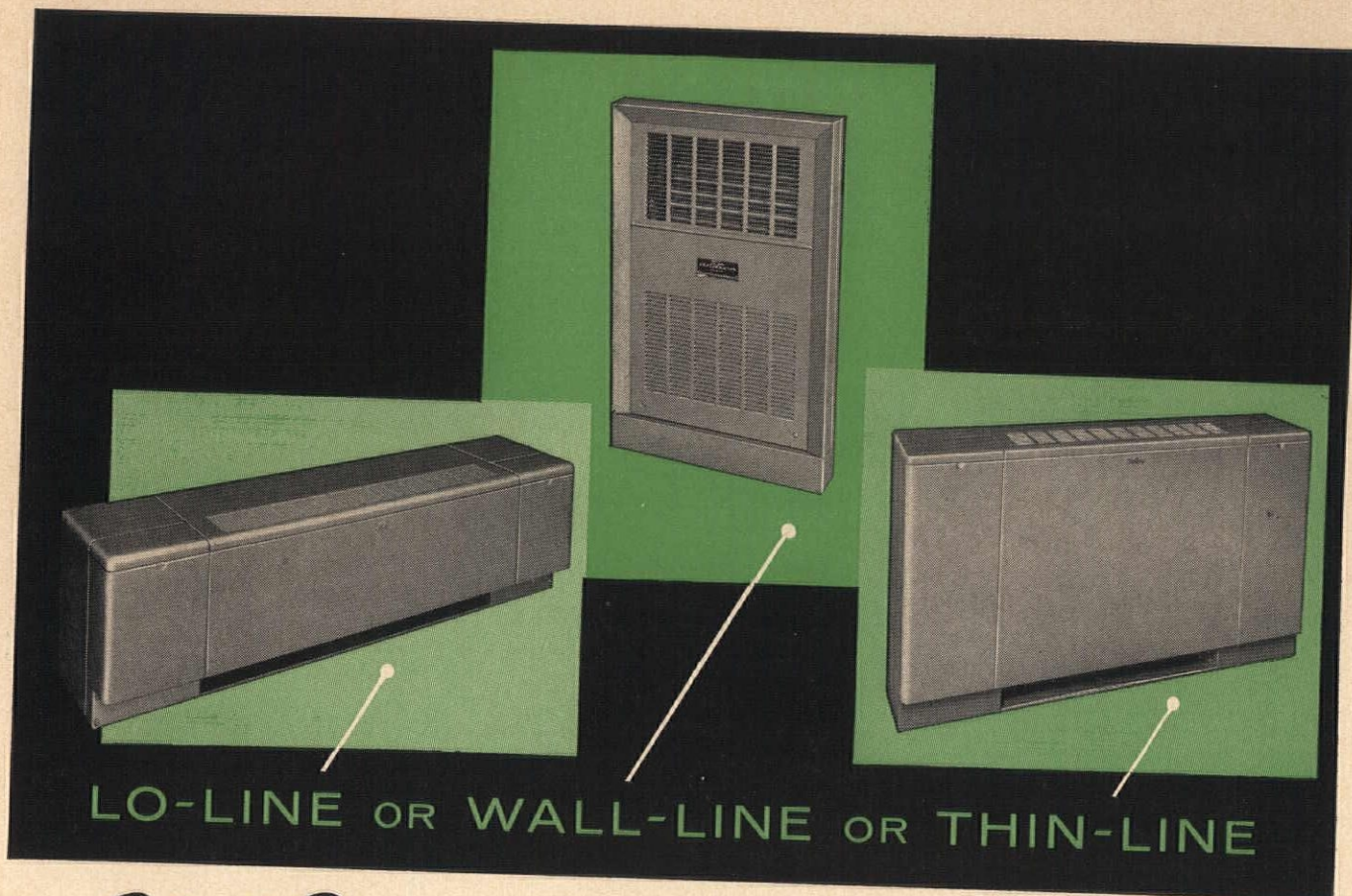
aspects of planning and redevelopment.

The Workshop Critique will be held in the Terrace Room of the Plaza Hotel in New York. Sessions will start promptly at 9:00 o'clock in the morning, and will continue through the afternoon until 5:00 o'clock. There will be a luncheon in the Persian Room at the Plaza, at which a leading figure in the steel industry will speak about current developments.

On the following day, June 15, there will be tours arranged to outstanding buildings in the area for those who want to remain for that purpose.

Thomas H. Creighton, P/A's Editor, will open the Workshop Critique sessions, and Burton H. Holmes, Technical Editor, will moderate the discussions.

Those who would like to attend should notify either Mr. Creighton or Mr. Holmes as soon as possible, so that adequate provisions can be made.



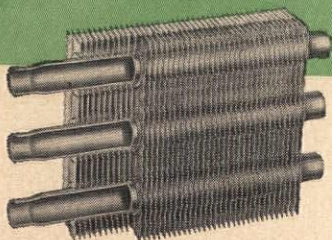
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EFFECTS OF TAX REFORM



By E. E. Halmos, Jr. seems to be one of its principal aims

—a counter to the attractions of setting up shop in one of the countries of the European Common Market.

And that could bring a revival of some business expansion plans for the U.S. itself. Couple this effect with the increased tax-credit allowances proposed to encourage industry to replace outworn machinery (but not buildings) and you can see some of the strategy.

All of this is keyed to the emergence of the Common Market—its official title is the European Economic Community, or EEC—as a powerful economic force. EEC was formed in 1958 as a trade union of Belgium, France, Italy, the Netherlands, Luxembourg, and West Germany. But it is more than a trade union: quite frankly, it is also a forerunner of an international governmental union, a “United States of Europe.”

The rapid reduction of trading barriers between these six highly industrialized nations (population—over 170 million; gross national product—now approaching \$300 billion) has resulted in a phenomenal annual increase in business activity. And it has made the Market area very attractive for more than 500 U.S. companies that have invested nearly \$5 billion over the past three years to establish branches or subsidiaries, and build new plants to do business as “local” organizations.

Much of the investment has gone into brick and mortar for new plants and other structures. With the impending grant of further powers to the President to carry on tariff-reduction negotiations, there has been real fear in Washington that U.S. capital investment may grow even more rapidly—to be followed by curtailment in expansion plans at home.

The blow to foreign investment would be a tax on earnings of foreign subsidiaries, regardless of whether the

actual money is brought back to the United States in the form of dividends or other payments. (Under existing tax laws, such earnings are not taxed until they return to the U.S.)

The close tie-in between the new tax legislation and the whole subject of the Common Market is a highlight of one of the truly “great debates” in Washington: how to meet the challenge posed by this new, vigorous economic community.

There is no doubt that the Market will affect any and all business in the U.S., whether they are engaged in direct foreign commerce or not. EEC nations can and do produce excellent materials, tools, and other products, and are already competing stiffly with U.S. products in Europe, in other areas of the world, and in the United States itself. If the U.S. now negotiates further reciprocal tariff drops, the competition is certain to increase.

(Tariffs, of course, are only a part of total barriers to trade. Import quotas, licensing agreements, cartels, and various taxes have an equally large effect.)

There's little opposition to the President's desire to cope with EEC: it is agreed that the Market exists, can produce, and must be lived with. Opposition has centered on the means rather than the end. Many are afraid of provisions in bills before Congress that seem to give the President unlimited power, without Congressional or court review, to change tariff rates, decide which industries and which workers should get relief in the form of Government money or other help.

Construction, of course, is a service industry and there's no prospect of any increased direct competition in the U.S. from European architects or contractors. But there will certainly be more competition from these groups in other areas of the world. (The threat of international giants such as the Constantin Doxiadis firm which is on the make in the U.S., is probably limited to specific cases.)

The immediate impact on architects and the construction industry appears to be centered on prices of materials and equipment. These should stabilize or even come down under the pressure of a system based on a wage scale that at present is somewhere between a quarter and a third of U.S. rates.

For example, in 1961 the six Market countries supplied 257,210 tons of the total of 284,400 tons of structural steel imported into the U.S.; 470,000 tons of the 583,000 tons of reinforce-

ing bar; and some 11 per cent of all aluminum imports. They also made heavy inroads into the plywood board and paperboard figures.

As to other production, the Market countries (in 1959 and 1960) produced a yearly total of 1,342,000 tons of plate glass; 61,280,000 tons of cement; nearly 5,000,000 tons of steel; and 510,000 tons of aluminum.

FINANCIAL

The odd lull in business activity, flagged in P/A last month, seemed to be continuing through April. There was nothing especially alarming about it: it seemed that the economy had reached a small plateau and was content to rest awhile before moving along.

In March, for instance, the Department of Commerce reported that total construction expenditures were \$4.1 billion—up 8 per cent over February (\$3.9 billion), but rising at about the normal seasonal rate. One reason for the slow gain lay in the fact that although private and Government general construction expenditures were showing normal rises, housing construction lagged slightly behind. As of the end of February, private housing was running at the rate of about 1,126,000 units for the year, a drop of 11 per cent from the 1961 period.

But there were some paradoxes in the situation: Prices for secondary sales of FHA-insured new-home mortgages rose in February to the highest level in nearly a year (\$96.6), indicating a continuing tightening in available money supplies.

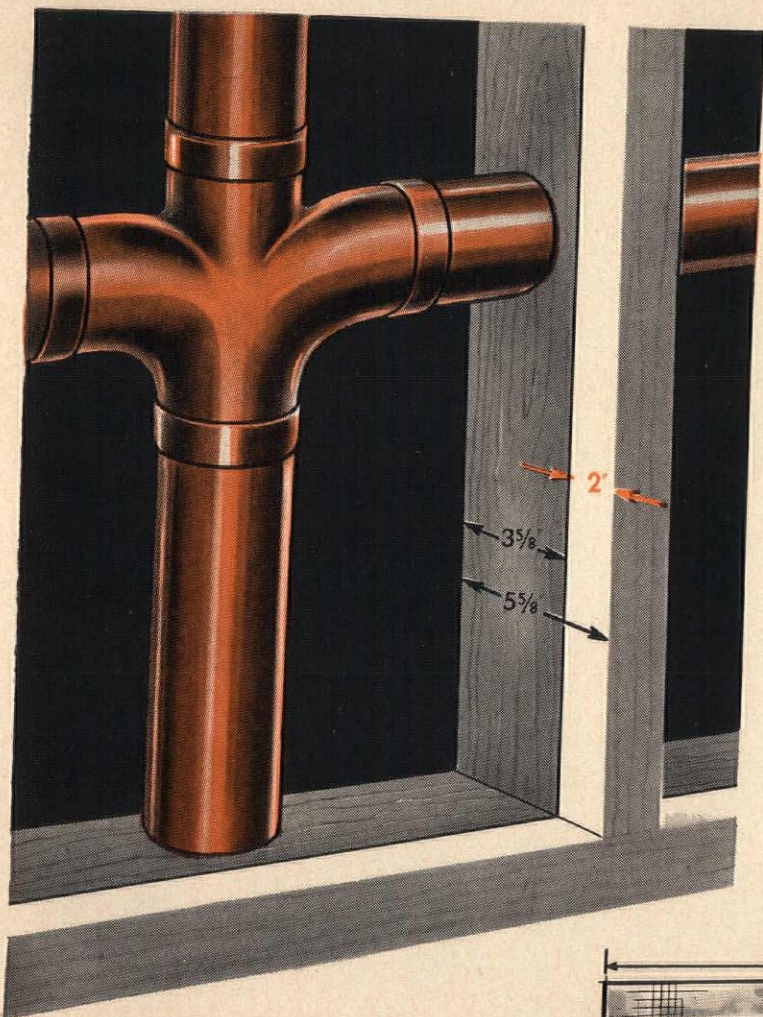
But the bond market reported the lowest rate of interest in three years on good grade municipal bond issues with tax-exempt features—a big break for the \$135.7 million's worth of such issues approved in December alone, for example.

It wasn't hard to see what was happening: Investors were looking for safer havens for funds, rather than higher paying but riskier avenues.

Meanwhile, there were evidences of a real stir in the private construction area—sparked largely by huge expansion plans of the utility companies. During the month of March alone, for instance, telephone companies announced plans for construction totaling \$681 million; electric companies, \$230 million; gas pipelines, \$156.7 million.

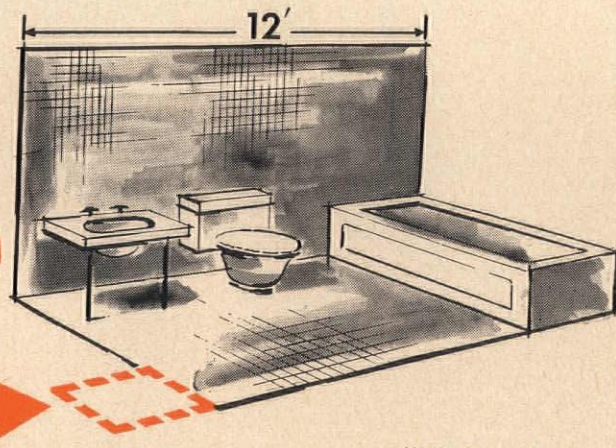
Private plant construction, however, still lagged—at a proposed \$10.7 million.

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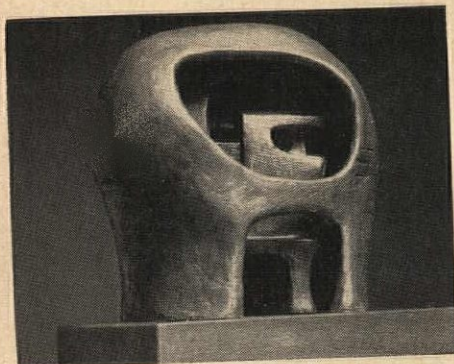
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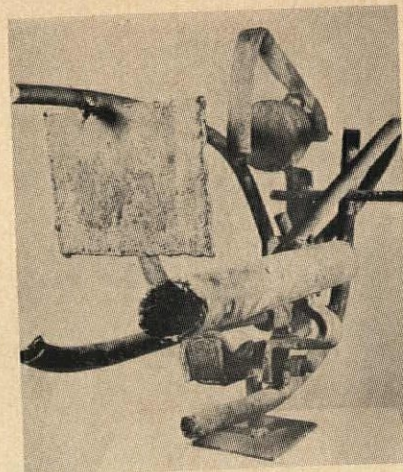
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ART: SCULPTURE



This has been quite a season for sculpture in New York. Following splashes made in various galleries and museums by Lipchitz, Rosenthal, Lippold, and Reder, among others, a large-scale exhibition of sculpture by the British giant Henry Moore closed recently at the Knoedler Gallery. Although there were no startling changes in his well-known technique, the show presented impressively the obvious admiration this strong artist has for the fundamental dignity of his fellow man. Shown are "Helmeted Head # 3," 1960 (left) and "Reclining Figure," 1956 (below).



The assemblage of wreckage and rubble into sculptural and/or architectonic arrangements continues to preoccupy some artists. Most recent among them has been Richard Stankiewicz at the Stable Gallery. There is undeniably a certain manic vitality about his pieces, one of which you see here.

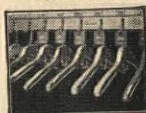
Item: It has been announced that the Vatican will send over Michaelangelo's "Pietà" as the major drawing card for its pavilion at the New York World's Fair. Well, at least it did not send his "Moses."



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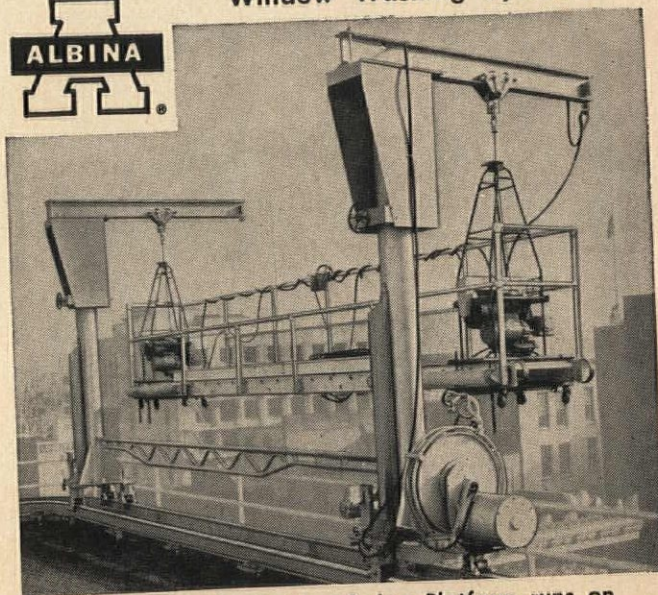
Style D.F. 5-50, Portable Checker Rack (illustrated) is 5 ft. 2 in. long; holds 50 coats and hats; goes wherever needed on large, ball-bearing-swivel casters. Comes with or without checks and snap-on numbers. Strongly welded of square tubular, heavy gauge and highly embossed furniture steel. Smart in modern baked finishes. Give lifetime service—never sag, creak or sway. 3 ft., 4 & 5 ft. units available, as well as other efficient space saving equipment for every church, school, commercial, industrial and institutional need.

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HUGE NEW S. C. O. A. SHOPPING CENTER at West Covina, California, is lighted by 37 Twin and 7 Single L-M Stylaire mercury luminaires. These have 1000-watt pink-white lamps rated at 42,000 lumens per lamp, with an average light level of 4 footcandles on the blacktop surface. Units are mounted at 32-foot mounting height, on 25-foot fully galvanized steel poles, spaced 105-110-feet laterally and 115-feet transversely. Installation was made by Walters Electric, Los Angeles electrical contractors. Bruce Thyberg, the engineering consultant, is now president of Bruce Thyberg & Associates, in San Diego. Ballasts are built into the base. Installation is exceptionally easy. Units are available in brushed aluminum and five pastel colors, in two sizes for 400, 700, and 1000 watt mercury lamps, with or without photo controls.



L-M Twin StylaireTM Mercury Luminaires Light New California Shopping Center

Striking new design, and color harmonizing with contemporary architecture major factors in selection of Stylaire luminaires for huge S. C. O. A. center in West Covina.

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West Covina, "City of Beautiful Homes," is the commercial center for the San Gabriel valley. The new S.C.O.A. (Serving Communities of America) center provides a wide variety of stores and services for this heavily populated area, and evening business is an important factor.

Mr. Thyberg decided on L-M Stylaire Mercury units because of their well-styled design, excellent glare-free lighting, and because relatively few units could be used to light the broad expanses of the parking areas, resulting in savings in poles, wiring, and installation costs. Thus these units provide high-level lighting and

more parking area without a "forest" of poles taking up valuable parking space.

These units have wide acceptance for street and highway lighting, and for parking areas, public parks, malls, and hotel and motel grounds. They are particularly favored for airports because excellent light control eliminates upward glare.

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Please send information about your Styled Mercury luminaire line and name of nearest Authorized L-M Distributor. (PA-52)

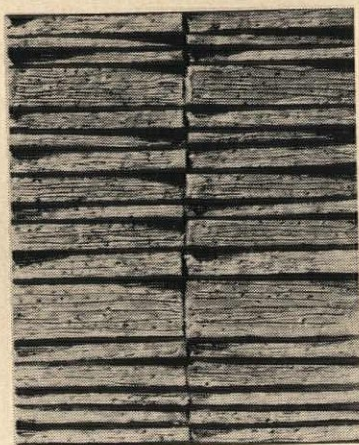
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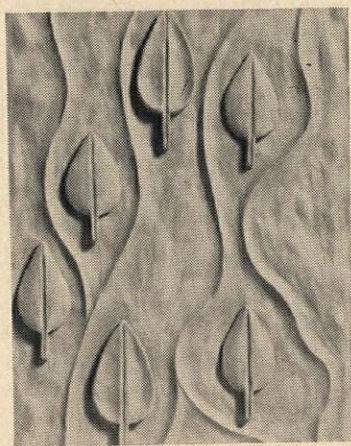
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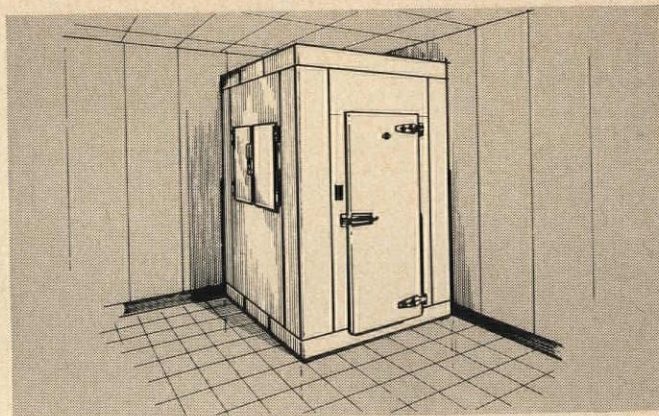
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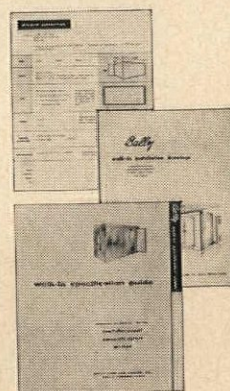
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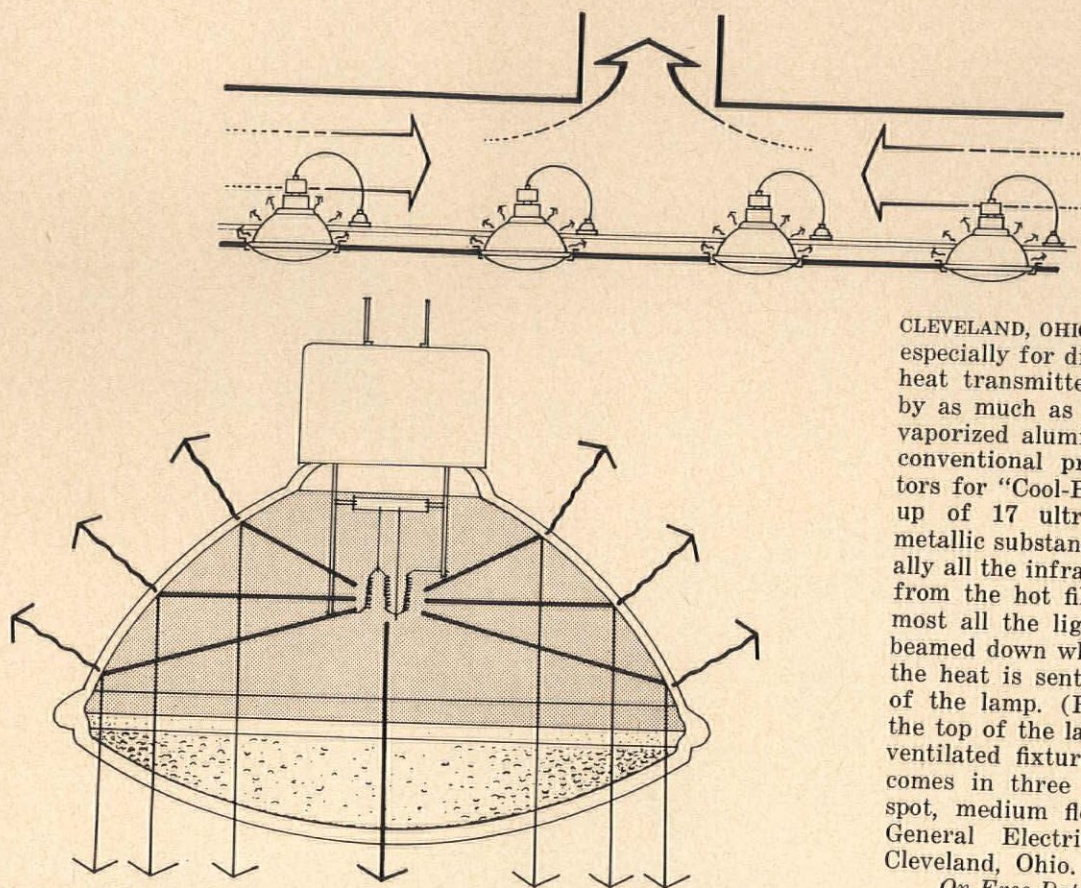
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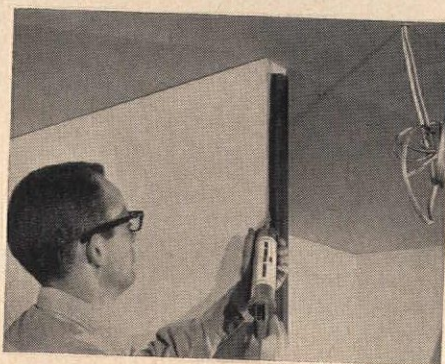
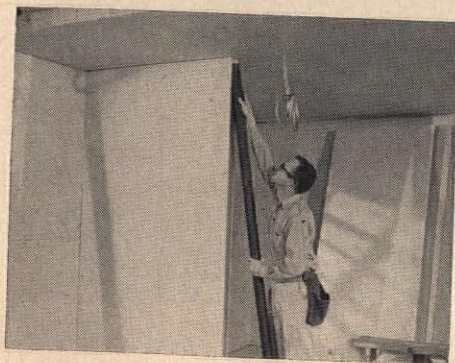
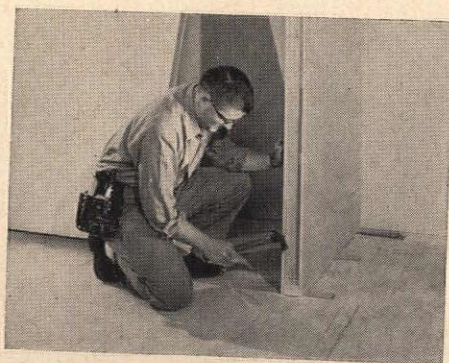
Display Lamps Cool Off



CLEVELAND, OHIO A new lamp designed especially for display lighting cuts the heat transmitted to the area lighted by as much as two-thirds. Instead of vaporized aluminum coatings used in conventional projector lamps, reflectors for "Cool-Beam" lamps are made up of 17 ultra-thin coatings of a metallic substance that transmit virtually all the infrared energy emanating from the hot filament and reflect almost all the light. Thus the light is beamed down where it is wanted, and the heat is sent out through the top of the lamp. (Heat emanating from the top of the lamps requires open or ventilated fixtures.) The 300-w bulb comes in three beam types: narrow spot, medium flood, and wide flood. General Electric Co., Nela Park, Cleveland, Ohio.

On Free Data Card, Circle 100

Tube Sandwich Provides Low-Cost Partitioning System



CHICAGO, ILL. A low-cost interior partitioning system called "Structicore" has been designed that utilizes heavy fiber tubes between face layers of fireproof "Sheetrock" gypsum wall-board. The inherent strength of tubular members provided by the fiber cylinders makes this a particularly strong partition. In addition, the hollow fiber tube cores provide convenient channels for electrical wiring. The panels are joined with spline tubes and a special joint stabilizing compound that eliminates face nailing and provides continuous structural support along the entire edge of the joining panels. Finished and in place, the system becomes a smooth, blemish-free, monolithic unit. Panels are provided with mill-installed top and bottom plates of kiln-dried lumber for easy installing. They may be cut at any point with a hand or power saw to meet varying length requirements. United States Gypsum Co., 300 W. Adams St., Chicago 6, Ill.

On Free Data Card, Circle 101

Tent Design Uses New Type of Canvas Fabric

A permanent tent designed by Architect Robert Martin Engelbrecht for the Rocky Hill, N. J., Volunteer Company utilizes a new tent and awning

is designed to co-ordinate with the planters and tables: smokers have spiral snuffers and removable ash receptacles. All are mirror polished steel. Designed by Thomas Tapert of Hugh Acton Design Associates, they are available from AMV Inc., 588 Brookside Drive, Birmingham, Mich.

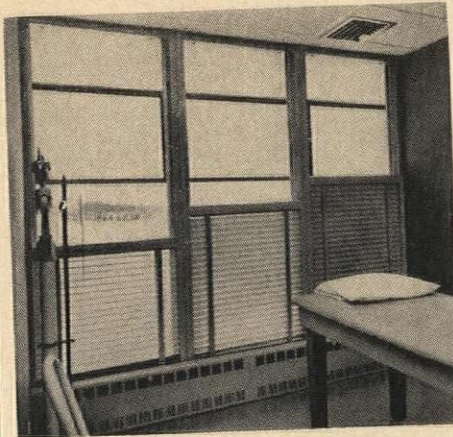
On Free Data Card, Circle 103

Take It from the Top

For a hospital surrounded by fine scenery, a venetian blind has been developed that lowers from the top so that patients under examination can enjoy the view and still have privacy. Its potential for any glass wall is great. The entire unit, mechanism and all, can be bellowed without losing its

fabric made of "Acrilan" acrylic fiber. This solution-dyed fiber is watertight, colorfast, weather resistant, and resistant to stains, mildew, and moths. Manufactured by Glen Raven Mills, Glen Raven, N. C., the fabric's color is "locked in" by having it added while fiber is still in the liquid state. Other properties are dimensional stability, rapidity of drying, durability, pleasing feel to the touch, and resistance to chemicals and acids. Chemstrand Corp., 350 Fifth Ave., New York 1, N. Y.

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ability to tilt the slats. Available in a variety of materials and colors from Levolor Lorentzen, Inc., 720 Monroe St., Hoboken, N.J.

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Exit Devices

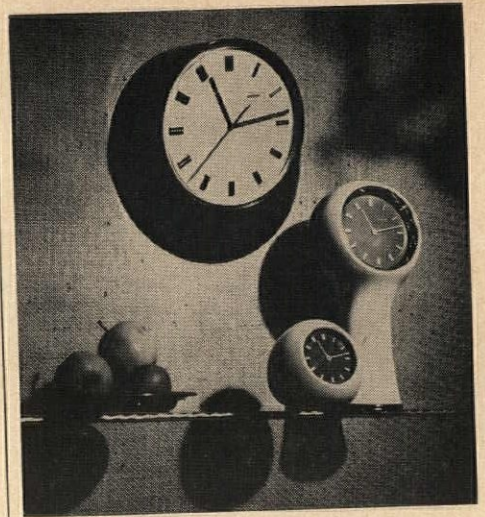
No Longer Down and Out

Manufacturers of "Universal" exit devices have introduced three new panic bars. Uniquely designed for maximum efficiency and safety, the bars utilize the principle of pushing in the direction of traffic flow rather than pushing downward. Several models are available, in cast bronze, aluminum, or stainless steel. Roland D. Reed, Inc., Rensselaer, Ind.

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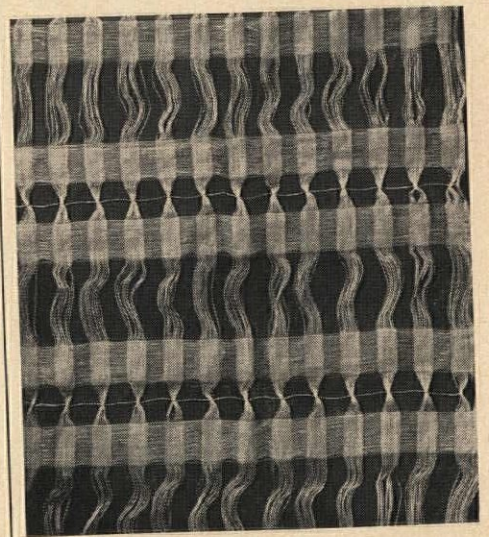
Transistorized Clocks

Secticon clocks, designed by Italian architects Angelo Mangiarotti and Bruno Morasutti, run for two years on the power of an ordinary flashlight battery. No winding is necessary, and wires leading to the clocks are eliminated. The works, consisting of a



transistorized motor, a power adjustment device that insures accuracy, and the time mechanism, are contained within a plastic cube that can be easily removed for 2-year servicing. The cases of table models are molded in two pieces that are finely fitted to reveal only a scribed line. Raised numerals—parallel lines graduated in width—activate the upturned faces. Design-time, Inc., 16 E. 52 St., New York 22, N. Y.

On Free Data Card, Circle 106



Hemp Sun Screens

Three casement fabrics, designed by Fede Cheti of Italy, use hemp that is hand drawn to produce open-mesh patterns such as "Essen" (shown). One is a variation on Essen and is called "Bruxelles"; the third is a four-pointed star form, which would be compatible with cement block screens. All three, suitable for the casual screening that glass walls occasionally require, are available from Denning & Fourcade, Inc., 867 Madison Avenue, New York 21, New York.

On Free Data Card, Circle 107



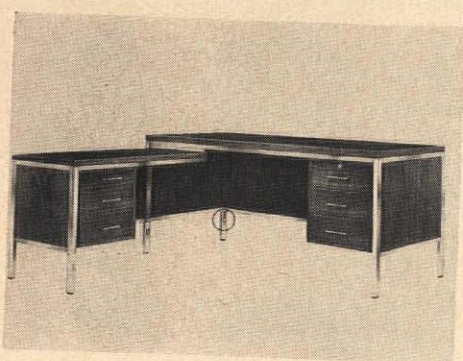
Sparkling Planters

Bases of aluminum rods with mirror polished, anodized finish are used to support tabletops of marble or glass or to bear planters of heavy gage spun aluminum. Planter bowls are available in a variety of colored fused glass finishes as well as in mirror polished finish. A new process of fusing glass onto aluminum renders the surface virtually unchippable. The line should provide accents of controlled decoration for many areas. A line of smokers

Let There Be (Fluorescent) Light

First fluorescent post-mounted luminaire on the market has been announced by General Electric. Combining simple daytime appearance with economical light output after dark, the luminaire produces 6900 lumens from only 150 watts. Suggested applications are recreation, patio, and swimming-pool areas; industrial landscaped walkways; parks; development roadways. General Electric Co., Outdoor Lighting Dept., 1 River Rd., Schenectady 5, N. Y.

On Free Data Card, Circle 108



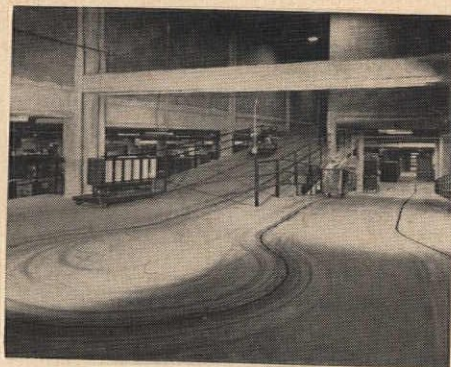
Desks on the Level

Flexibility is the aim of a series of desks that employ interchangeable components that permit them to convert to either secretarial, executive, or conference desks, and also table and storage units. Mirror polished steel bases can receive a variety of walnut or teak pedestals, side attachments, and tops with economy of installation. Pedestal cases are engineered to accommodate drawers singly or in combination without change of the runners. A "Levelator," (circled) incorporated in each leg, makes possible leg length adjustment without lifting the desk. Scandix Design Series 5, manufactured in Denmark, is sold by Scandix Designs, Inc., 432 Park Ave. So., New York 16, N. Y.

On Free Data Card, Circle 109

Half-Mile Conveyor Built into Floor

An in-the-floor conveyor, half a mile long, links Polsky's Department Store in downtown Akron with all departments of its new \$4.5 million service building across the street. Merchandise of every type, from ready-to-wear to furniture, is carried on a variety of four-wheel trucks by the "Trukveyor," which winds through three floors of the service building and



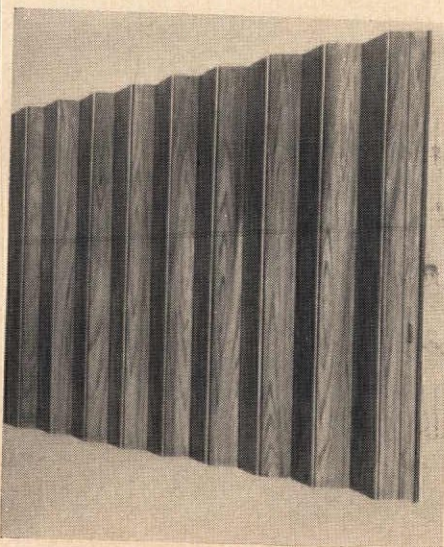
across a bridge to the fifth floor of the store. Similar conveyors have been widely used in railroad and truck freight terminals and in numerous warehousing operations, but this is the first time that such a system moves the entire spectrum of a department store's merchandise.

In the Trukveyor system, trucks are towed by a continuously moving endless chain under the floor; all parts of the system are in or under the concrete floor. The chain travels at a speed of 60 fpm, and can carry 110 trucks at a time. Only four to eight persons are employed to operate the line, putting trucks on the conveyor and taking them off. Link-Belt Co., Prudential Plaza, Chicago 1, Ill.

On Free Data Card, Circle 110

Wood Folding Partition Is Lightweight

New wood folding partitions weighs only 2 lb per sq ft, has panels 1 ft wide for openings and space division in institutional and commercial buildings. Available in widths up to 50 ft and heights up to 16 ft, the panels are $\frac{3}{4}$ " thick by 12 $\frac{3}{4}$ " wide, covered each side with three-ply hardwoods, faced with veneers of finished or unfinished Philippine Mahogany, Birch, Walnut,



or Oak. Full-length panel connectors of opaque vinyl are locked in on each side with hardwood edge strips and finished facings. Laboratory tests on the partitions equivalent to 25 years normal use have been conducted. New Castle Products, Inc., New Castle, Ind.

On Free Data Card, Circle 111



Dimmers Fit Standard Wall Switch

Two new models of a miniature dimming device for incandescent lighting circuits have been introduced. "Dreamlitter Deluxe 1000" and "Deluxe 500," with capacities of 1000 and 500 w, join the 600-w version introduced during the past year. Since they replace conventional wall switches in size, no remodeling or rewiring is required. They provide gradual and uninterrupted selection of any degree of light intensity, from off to maximum brilliance, without using rheostat or variable transformer. Dreamlitter 1000 is designed for commercial applications; model 500 for commercial or residential. Electro-Solid Controls, Inc., 8001 Bloomington Freeway, Minneapolis 20, Minn.

On Free Data Card, Circle 112

Oil and Water Do Mix

A "never before" mixture of linseed oil and water has produced a house paint that has double advantages: the durability and adhesion of linseed-oil paint plus the convenience and rapid drying of water paint. Staley's new "100% Pure Linseed Oil Latex House Paint" dries in 30 minutes, is blister and mildew resistant, gives excellent adhesion even on chalky surfaces, and can be cleaned up with soap and water. Staley Paint Manufacturing Co., 5243 Manchester Ave., St. Louis, Mo.

On Free Data Card, Circle 113

New woodfiber acoustical tile that

FIRST TIME EVER! INCOMBUSTIBLE TILE SAFETY AT WOODFIBER TILE PRICES!

Underwriters' Laboratories, Inc., inspects and labels Simpson PCP ceiling tiles. Like incombustible mineral tiles, PCP has a flame spread rating of less than 25.

PCP ceiling installations are now replacing mineral tiles that cost up to 50% more. Simpson PCP costs only a few cents more than ordinary woodfiber acoustical tile.

Pyro-Chem Protection is an exclusive Simpson process. Not just a surface treatment, every fiber throughout the tile is impregnated with special PCP fire-proofing chemicals.

Simpson PCP acoustical tiles are not only safe and economical, they are acoustically efficient; NRC ratings up to 70. Room-to-room attenuation factors average 37.6-41.5 db. Available in 4 beautiful Forestone® sculptured textures and 2 perforated designs.

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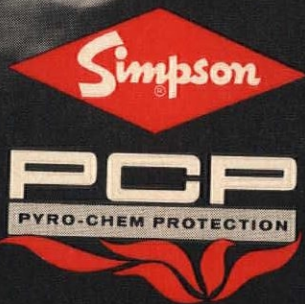
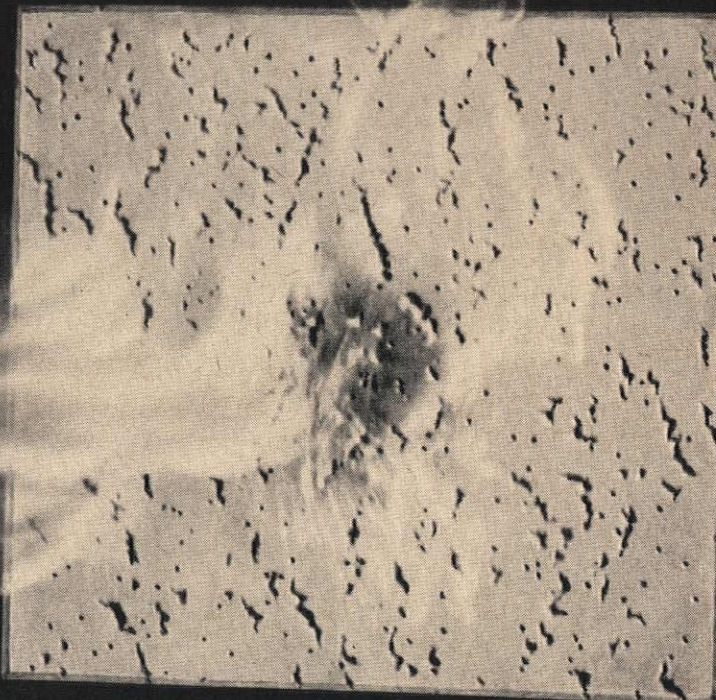
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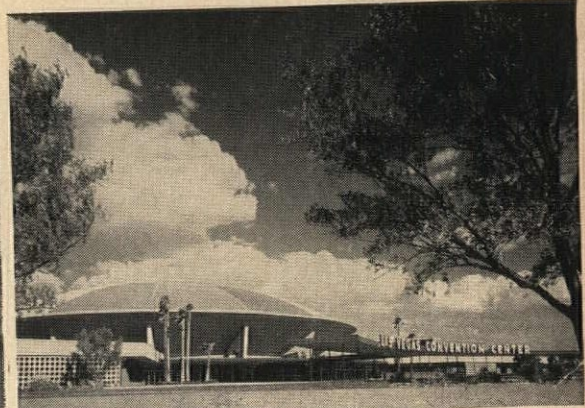
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Hudson's Bay Company
Winnipeg, Canada
Newfoundland Radio Station VOCM
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Chelle's Supermarket
Barrington, R.I.
Howard Johnson Restaurant
Portsmouth, N.H.
Radio Station WEEL • Medford, Mass.
Birch Street Garage • Cranston, R.I.
Hugo Hillstrom Hatchery
Cokato, Minn.
Ford Motor Co.—Twin Cities
Assembly Plant • St. Paul, Minn.
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Ohio Turnpike • Lorain, Ohio
KVOO-TV • Tulsa, Oklahoma
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Chambersburg High School
Chambersburg, Pa.
Sioux Falls School (Axtell Park Jr. H.S.)
Sioux Falls, S. Dak.
St. Lukes Elementary School • Erie, Pa.
Pure Oil Station • Cable, Minn.
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Police Bldg. • Lexington, Mass.
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Las Vegas Convention Center



Central & Southern Florida Flood Control District



Montgomery Ward, Minneapolis, Minn.



Phillips Restaurant Lounge, Ft. Lauderdale, Fla.



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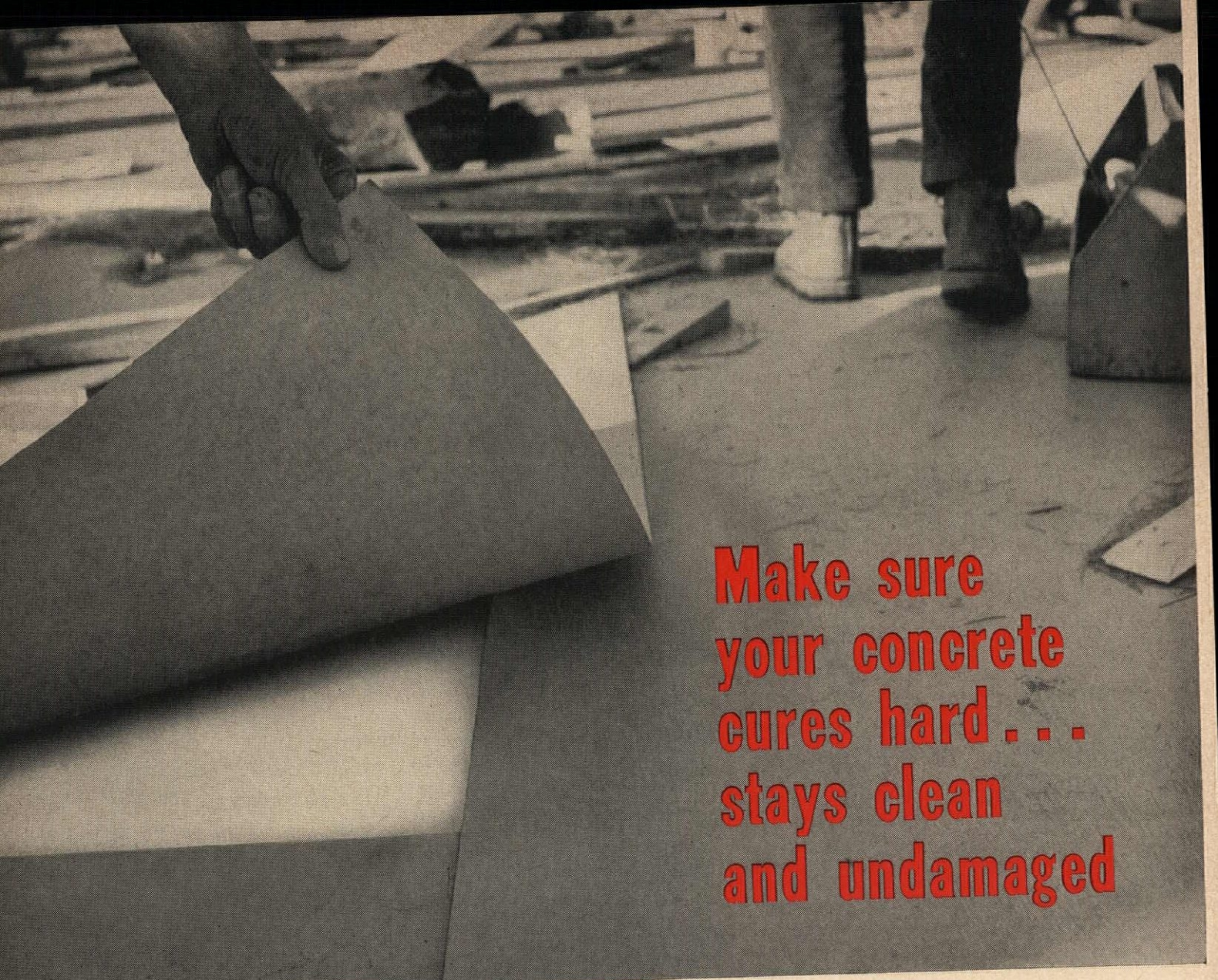
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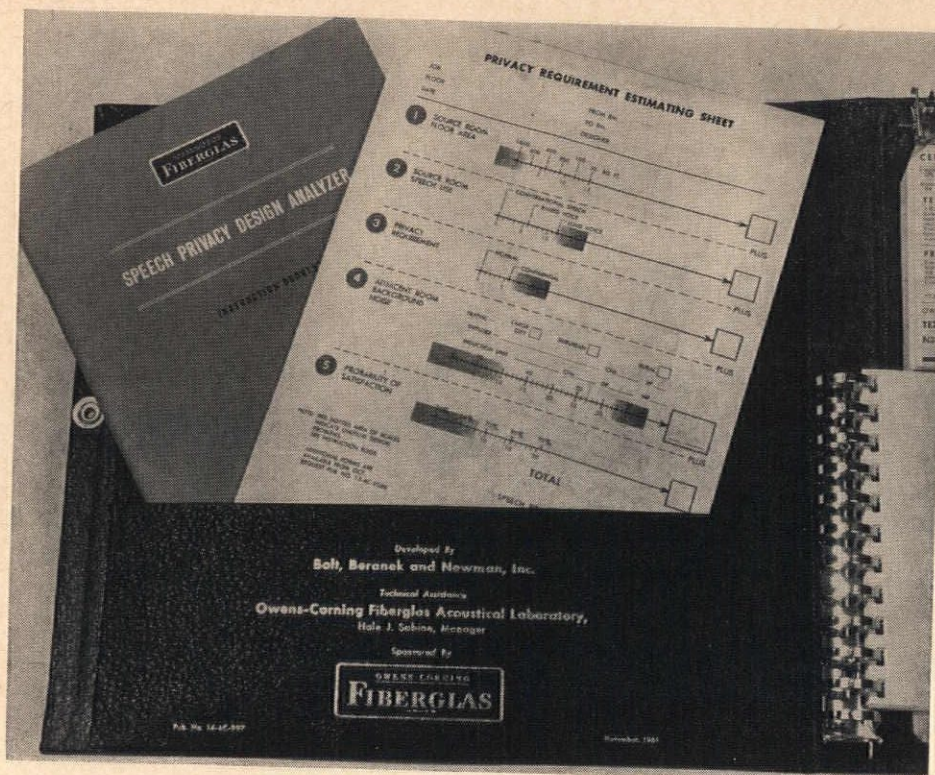
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UNIQUE METHOD FOR DESIGNING SPEECH PRIVACY

New "Speech Privacy Design Analyzer" provides an accurate yet simple method of determining the degree of speech privacy required for any given room, and of selecting the building materials that will give the necessary sound insulation. According to Bolt, Beranek & Newman, developers of the Analyzer, the speech-privacy problem has become increasingly difficult in recent years, as materials that are inherently effective as sound isolators have been replaced by materials of lighter weight.

At the outset of this project, BB&N arranged carefully controlled experiments to try to define adequate speech privacy. Test subjects were remarkably consistent in their response, making it possible to establish—for the first time—definite criteria for acoustic privacy.

Research also indicated that a num-

ber of factors are significant in providing adequate speech privacy, in addition to the sound-isolating performance of the separating construction. Such factors as size and shape of the rooms, sound absorption in the rooms, speaking levels of occupants, nature of occupants' business, and—perhaps most important—level of air-conditioning noise, traffic, or activity noise present in the rooms are all accounted for in the Analyzer method.

The Analyzer resolves speech-privacy problems without reference books, product literature, decibels, or technical terms. Its most complicated arithmetic procedure is the addition of five numbers. Information on a wide variety of products will be kept up-to-date as necessary. For further information on the \$18 Analyzer, write to: Owens-Corning Fiberglas Corp., 717 Fifth Ave., New York, N. Y.

AIR/TEMPERATURE

Electric Heaters

Colorful 16-page catalog covers the complete line of Emerson Electric and Emerson-Pryne heating products. Among the units shown are a new baseboard heater, fan-forced built-in heaters, in-the-wall radiant heaters, and built-in bathroom heaters. Also described in detail are thermostats and other control equipment for these products, including new automatic set-

back control system. Specifications and dimensional data are given for all items. Emerson Electric Co., 8100 Florissant Ave., St. Louis 36, Mo.
On Free Data Card, Circle 200

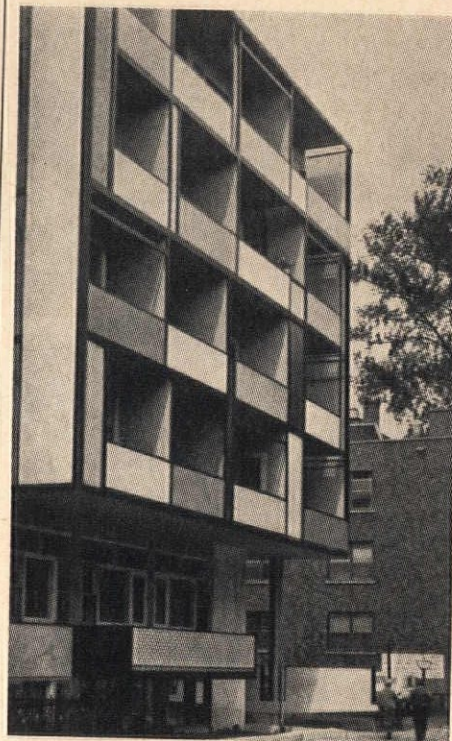
Electronic Air Cleaners

New 28-page booklet presents benefits and features of electronic air cleaners for heating, ventilating, and air conditioning. Along with discussion of a variety of air-cleaner applications, the booklet covers design and engineering

of various models, and gives their dimensions, outputs, efficiencies, and specifications. Minneapolis-Honeywell Regulator Co., Commercial Div., Minneapolis 8, Minn.

On Free Data Card, Circle 201

CONSTRUCTION



Asbestos-Cement Panels Shown in Varied Uses

Applications of "Weldwood Glasweld" are illustrated in new 36-page brochure. The enamel-coated, asbestos-cement panel is shown in a variety of uses: insulated sandwich panels, balcony panels, window inserts, soffits, and facing panels. Color photographs and construction details are given of a number of recent buildings, from residences to refineries. United States Plywood Corp., 55 W. 44 St., New York 36, N. Y.

On Free Data Card, Circle 202

Specs from Metal-Lath Industry

1962 edition of *Specifications for Metal Lathing and Furring*, 20 pages, is available. A general specification has been written for each type of metal-lath construction; this is then supplemented, where necessary, by a specification devoted to special details. The major sections include partitions and vertical furring, studless solid parti-

tions, metal lath attached directly to wood supports, and to noncombustible ceiling supports, furred ceilings, suspended ceilings, beams, cornices, column protection, reinforcing. MLA states that use of its specifications "will insure not only safe and durable construction at an economical cost, but will establish a basis for maximum competition among all manufacturers of metal lath." Metal Lath Association, Engineers Building, Cleveland 14, Ohio.

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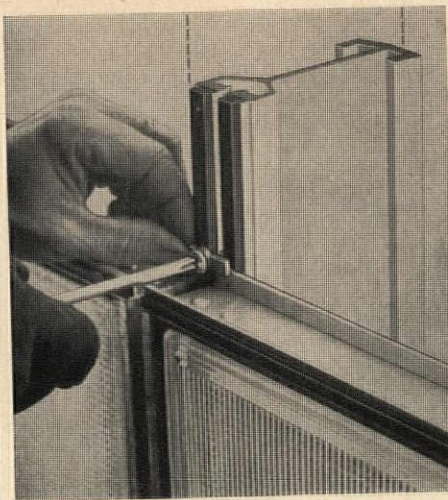
Stainless-Steel Data

New series of design data sheets on stainless steel in architecture has been announced. The first in the series, entitled *Stainless Steel for Maintenance Economy*, is a 4-page folder describing use of the metal to minimize future cleaning and repair costs. Specifications for final cleaning, and a table of effective cleaning methods, are given. The second bulletin, *Detailing Column Covers*, discusses the basic considerations (grades and finishes, design, stiffening) in designing stainless-steel column covers. Column details from six different buildings are shown in the 6-page folder. Committee of Stainless Steel Producers, American Iron & Steel Institute, 633 Third Ave., New York 17, N. Y.

On Free Data Card, Circle 204

New Developments in Curtain Wall

Latest catalog on "Thinlite" curtain wall, 8 pages, illustrates several new developments. Among the changes (aside from new lower prices) are: (1) new strut design for improved



appearance; (2) addition of precast stone panels for increased design possibilities; and (3) use of flame-retardant polyurethane instead of foam glass as lightweight core insulation. Thinlite is a completely integrated curtain-wall system, prefabricated and ready for erection, including all basic framing. Panels are in two standard sizes—2' x 4' and 2' x 5'—and in three general types: glass tile, opaque panels, and window panels. Kimble Glass Co., Subsidiary of Owens-Illinois, Toledo 1, Ohio.

On Free Data Card, Circle 205

DOORS/WINDOWS

Labeled Doors and Frames

Available for the first time on a single sheet are complete specifications of Steelcraft fire doors and frames having the Underwriters' Label. The table shows label classification and use of doors, door types and sizes available, maximum glass area permitted, and hardware requirements. General notes on labeled doors and frames appear on the reverse side. The Steelcraft Manufacturing Co., 9017 Blue Ash Rd., Cincinnati 42, Ohio.

On Free Data Card, Circle 206

Plastic Dome Skylights

Catalog on plastic-dome skylights by Naturalite states that correlated lighting (daylight and artificial light) is "the most practical and economical method of illumination with complete environmental control." Featured in the 12-page catalog are square and rectangular dome skylights, which are available as single or double domes in 26 stock sizes and five daylight-control materials. Other units are: a new "Low Profile" skylight, a dome with insulated metal curb, ventilating domes, and units with automatic vent-

ing of heat and smoke. Complete technical and dimensional data, and short-form specifications, are included. Naturalite, Inc., 5115 E. Grand Ave., Dallas 23, Texas.

On Free Data Card, Circle 207

Entrances Cataloged

Natcor entrances and store fronts are detailed in new 8-page catalog. The complete line includes three door types and three basic framing systems, to meet every entrance requirement with the adaptable components. Catalog describes features of the extruded-aluminum entrances, gives typical details and dimensional data on the various lines. Specifications are included. The Natcor Co., 712 Fogg St., Nashville 3, Tenn.

On Free Data Card, Circle 208

ELECTRICAL EQUIPMENT

Bullet Fixtures

New catalog illustrates a variety of bullet fixtures designed for specific architectural needs. Included are two-way adjustable units for use where ceilings are sloped, two-light stem-mounted fixtures, and twin pendants. Special new deep-well canopy plates and surface mounting adapters are intended for installation problems in existing buildings. Stonco Electric Products Co., 333 Monroe Ave., Kenilworth, N. J.

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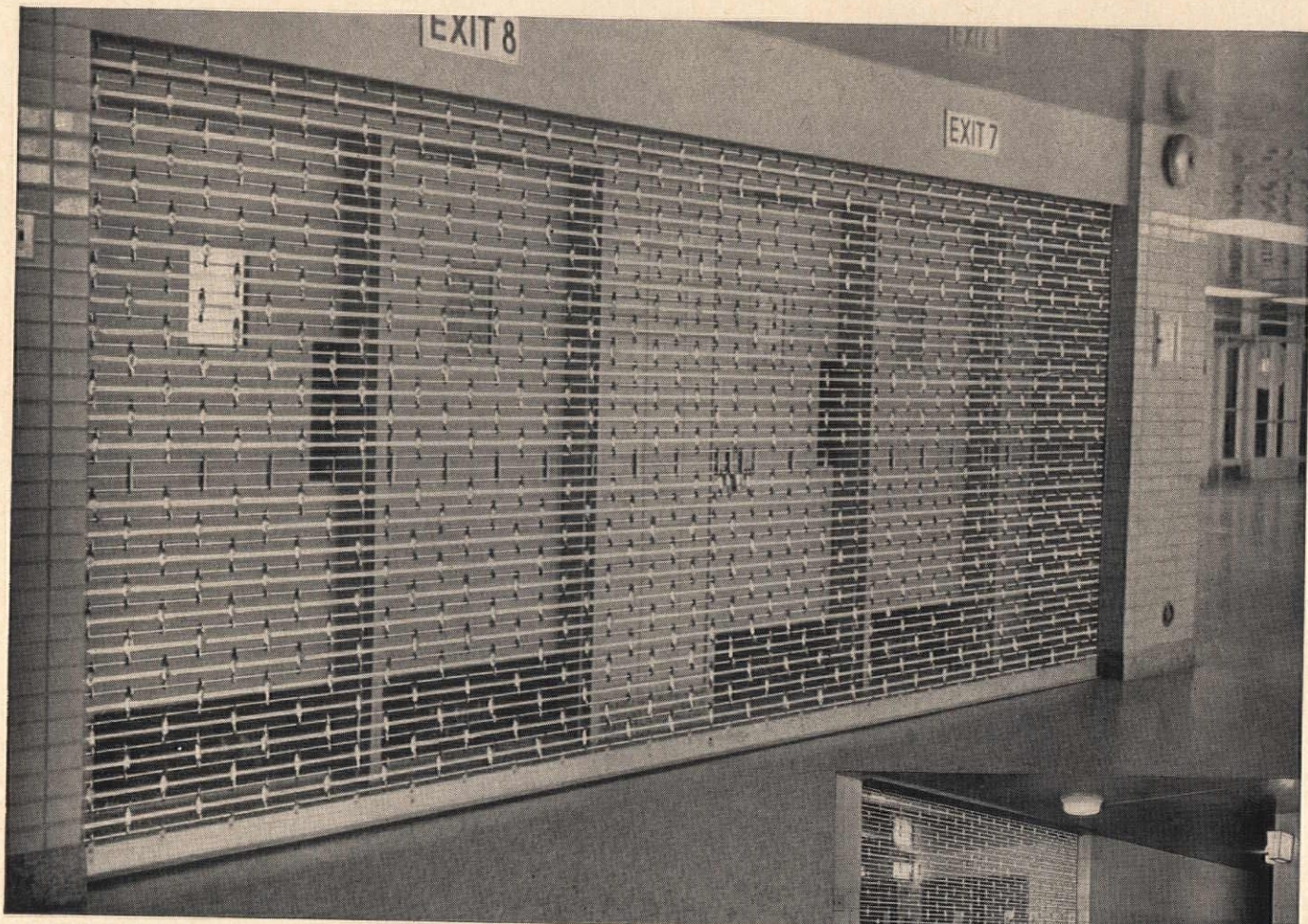
Store Lighting

New technical publication, entitled *Store Lighting*, discusses the importance of quality lighting in commercial

Continued on page 106



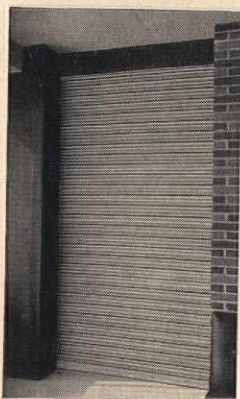
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CORNELL ROLLING METAL GRILLES, SHUTTERS & DOORS
 for sure protection with beauty



ROLLING GRILLE: EXCLUSIVE BUTTERFLY DESIGN: 5 INSTALLATIONS
 IN FRANCIS LEWIS HIGH SCHOOL, LONG ISLAND, NEW YORK

ROLLING GRILLES: As light and airy as a butterfly in appearance . . . yet they give "steel-door" protection. Introduced by Cornell in 1931. Widely used to close off corridors and stairways without shutting off air and light. Cannot pinch fingers. Furnished in galvanized steel, aluminum, bronze, stainless steel.

ROLLING STEEL FIRE DOORS: Underwriters labelled, 3 hr. test approved. Maximum protection and maximum savings in insurance rates. Advanced space-saving features including automatic closure in case of fire.

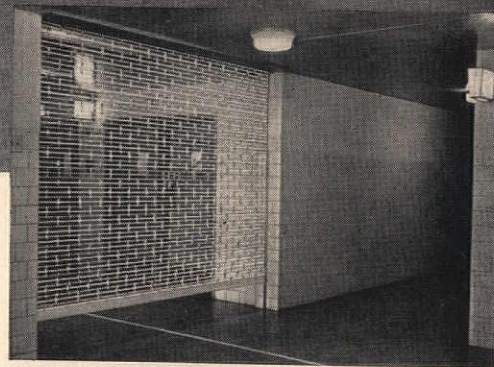


ROLLING
 STEEL FIRE DOOR

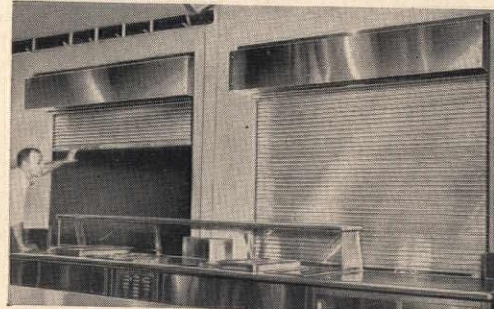
ROLLING COUNTER SHUTTERS: For cafeterias, kitchens, etc. 1 1/4" flatslat rolling shutters. Aluminum, stainless steel, bronze, galvanized steel.

PACKAGED PASS WINDOWS: Completely assembled. One installation. Integrated stainless steel frame with 1 1/4" Flatslat aluminum shutter.

ROLLING SERVICE DOORS: Manual and motorized for shop & receiving entrances, piano enclosures, etc. All metals.

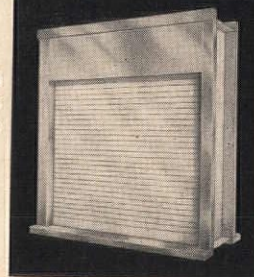


ROLLING GRILLE, CORRIDOR INSTALLATION



ROLLING COUNTER
 SHUTTER

PACKAGED
 PASS
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CORNELL IRON WORKS, INC.

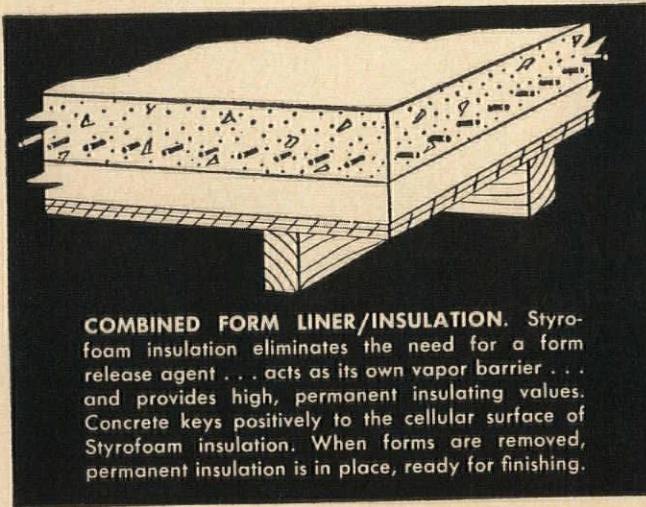
Established 1828

36th Ave. at 13th St., Long Island City 6, N.Y. • Stillwell 4-3880
 REPRESENTATIVES IN PRINCIPAL CITIES

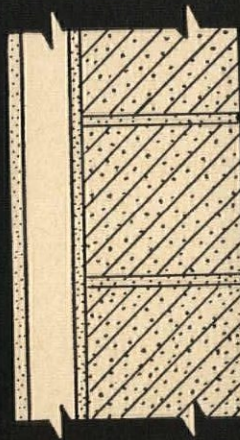


STYROFOAM[®]

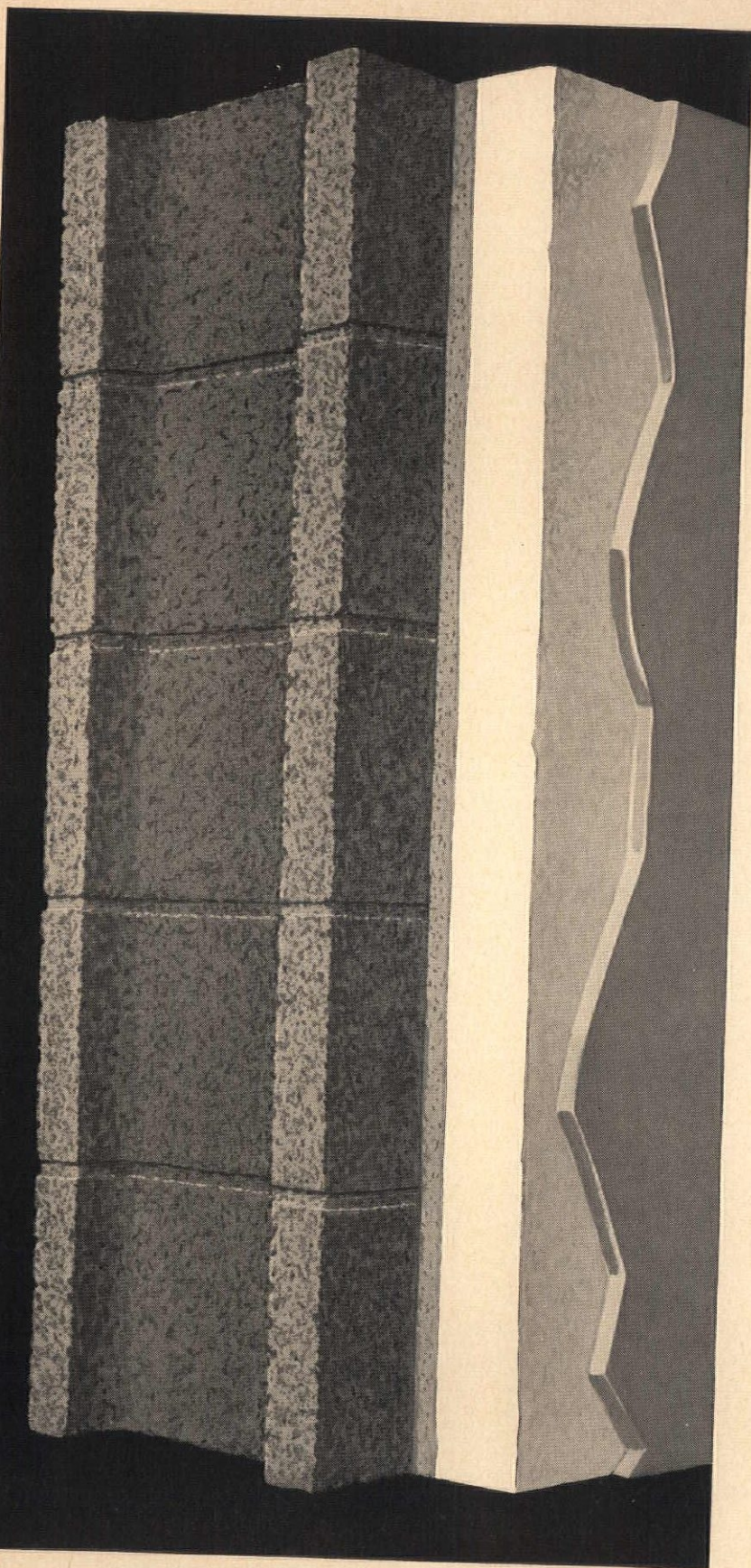
Rigid insulation
saves masonry insulating costs and time,
gives permanent insulating values



COMBINED FORM LINER/INSULATION. Styrofoam insulation eliminates the need for a form release agent . . . acts as its own vapor barrier . . . and provides high, permanent insulating values. Concrete keys positively to the cellular surface of Styrofoam insulation. When forms are removed, permanent insulation is in place, ready for finishing.



MASONRY WALL INSULATION
Styrofoam insulation eliminates the need for furring and lathing. A new Dow method of quick installation permits adhering Styrofoam directly to the masonry, followed by the application of gypsum wallboard *without the use of nails . . .* or plaster can be applied directly to the face of the insulation.



◀ **STYROFOAM**

brand insulation board offers advantages for use as both comfort insulation and for low temperature applications, in masonry construction. For example, this lightweight, foamed insulation offers savings in installation time and costs, by eliminating steps in "conventional" construction. It also offers a low "K" factor which will *stay* low year after year . . . Styrofoam insulation contains millions of tiny non-interconnecting air cells with high resistance to the passage of heat and moisture vapor.

Styrofoam has no food value, nor will it rot or mildew. It's easy to handle and install. High compressive strength permits pouring concrete directly over it for floor or ceiling construction. And Styrofoam insulation is flame retardant.

THURANE® brand insulation board is a rigid urethane foam which offers unusual insulating effectiveness for low temperature applications. For example, a curtain wall panel with a core of Thurane insulation permits approximately 40% *less* heat flow than a panel made with conventional core materials. Consequently, panel thickness can be reduced by up to 40% with no sacrifice of insulating efficiency . . . a decided advantage where low temperature space is at a premium.

For every kind of insulated masonry construction . . . for coolers, freezers, pipe covering . . . Dow insulating materials offer both installation and performance advantages. For information and data, write THE DOW CHEMICAL COMPANY, Midland, Michigan, Plastics Sales Department 1300EB5.

Styrofoam is a registered trademark of The Dow Chemical Company. It is applied only to the homogeneous expanded polystyrene made according to an exclusive Dow process. Styrofoam brand insulation board is available only from Dow and its authorized representatives.

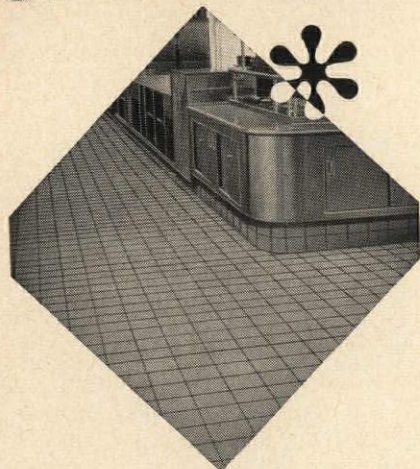
THE DOW CHEMICAL COMPANY

DOW

Midland, Michigan

wherever there's...

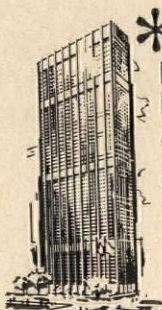
DRIPPING SPILLING SPLASHING



men who know tile floors
best, specify and install

HYDROMENT JOINT FILLER

Wherever there's food handling, there's sure to be spilling, dripping and dropping. Ordinary grouts can't withstand the corrosive attack of food acids and alkalies. That's why Hydroment Joint Filler was specified for the quarry tile kitchens and cafeterias of No. 1 Chase Manhattan Plaza. It forms a permanently tight, dense, joint — non-toxic, odorless, highly resistant to wear and corrosion. It inhibits bacteria growth; very easily maintained. Widely used with brick or tile for over 20 years in cafeterias, restaurants, hotels, motels, hospitals, schools, etc. . . . wherever there is mass feeding and mass housing. Seven colors, plus black and white.



NO. 1 CHASE MANHATTAN PLAZA

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Skidmore, Owings & Merrill
General Contractor:
Turner Construction Co.
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In the West: HYDROMENT, INC.
829 N. Coffman Drive • Montebello, Calif.

For more information, circle No. 402

Continued from page 102

design. The 20-page booklet describes principles, outlines techniques, and suggests proper light sources for effective lighting in various types of stores and in specific store areas. Attention is focused on general lighting, display lighting, and perimeter lighting. Photos, diagrams, and tables are included. General Electric Co., Inquiry Bureau, Nela Park, Cleveland 12, Ohio.
On Free Data Card, Circle 210

FINISHERS/PROTECTORS

Maple Topping

New list of MFMA tested and approved floor-finishing products is available. All products have been examined under the revised specifications issued three years ago, and give the user the benefit of extensive research carried on during this time. Both penetrating sealers and bakelite types of finishing products are included: the sealers are recommended for finishing hardwood floors in residences, school classrooms and gymnasiums, ballrooms, and industrial plants; finishes of the bakelite type are recommended for floors under comparatively light traffic. The list also includes a number of products of epoxy and polyurethane composition. Maple Flooring Manufacturers Association, Research Dept., 35 E. Wacker Drive, Chicago 1, Ill.

On Free Data Card, Circle 211

Zinc-Coated Steels

Selection and use of zinc-coated steels is the subject of a 28-page manual from Armco. Tables give physical properties and costs as compared with painted steel sheet. Fabrication techniques, paintability, and weldability are covered for each of four grades of the zinc-coated steel. Booklet also illustrates typical applications and includes a guide to specifications. Armco Steel Corp., Product Information Service, Middletown, Ohio.

On Free Data Card, Circle 212

Masonry Surfacing

Colorful chart describes new masonry-surfacing compounds that serve a variety of maintenance and repair needs. The epoxy materials change worn, dangerous areas into durable, skid-resistant surfaces. Unusually high adhesive strength, durability, and chemical resistance provide long-lasting protection against wear and corrosion of industrial floors, loading docks,

processing areas. E. V. Roberts & Associates, Inc., EVRA Plastics & Chemicals Div., 5068 W. Washington Blvd., Los Angeles 16, Calif.

On Free Data Card, Circle 213

INSULATION

Low Flame-Spread Rating —at Low Cost

Unique in the acoustical-tile industry is Simpson's new process that combines the advantages of wood-fiber acoustical tile with the flame-spread safety of mineral tile. Through the "Pyro-Chem Protection" process, fire resistance becomes an integral part of the tile itself. New catalog, 4 pages, gives physical properties and specifications of the new PCP tile, comparing it with incombustible mineral tile and with regular acoustical tile. PCP products are available in six patterns. Simpson Timber Co., 2044 P Washington Building, Seattle 1, Wash.

On Free Data Card, Circle 214



Multipurpose Insulation

"Spintex," a versatile insulating material felted from long siliceous fibers, is described in new 12-page bulletin. Spintex is recommended for applications ranging in temperature from subzero to 450 F (although the fiber will withstand continuous temperatures up to 1000 F). The material is noncombustible, noncorrosive, and non-absorptive. It is widely used for air-conditioning ducts, for storage tanks, for ceiling of metal buildings, and for cold-storage walls. There are six dif-

Continued on page 110



Jet age smoothness with SPEEDRAMP PASSENGER CONVEYOR SYSTEMS . . . to terminal and planes . . . and back again

Public convenience keeps pace with the jet age via SPEEDRAMP Passenger Conveyor Systems at the new Akron-Canton Airport, Akron, Ohio. Passengers and spectators are carried effortlessly and safely from entrance to terminal lobby and from terminal lobby to plane concourses and back again by four SPEEDRAMP Passenger Conveyors. Operating in pairs, the SPEEDRAMP Passenger Conveyors carry pedestrian traffic between ground level and the second floor terminal lobby. This most modern method of moving people over a vertical plane provides convenience, efficiency, speed, safety, combined with showcase beauty, low initial cost and minimum maintenance. SPEEDWALK and SPEEDRAMP Passenger Conveyor Systems have logged an enviable record for eliminating needless steps for millions of passengers at installations across the nation and abroad. Investigate these advantages by requesting full details today.



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WRITE
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 BULLETIN
 1060





IN THIS WINDOWLESS CLASSROOM...STUDENTS



In this classroom, visual details are sharp and clear, colors are distinct and true. The light is bright, yet with no shadows or glare, because it comes from Fiberglas Polarizing Light Panels. The staff of Roeland School praise the lighting this way: Superintendent Walter C. Giffin: "The coming thing for classroom use."

Principal Harry Mahon: "A very soft light, better than any other system I know of."

Reading Consultant Robert Phillipps: "No glare or shadows—even for the high level of illumination."

Recently, at Ohio State University, the benefits of polarized



This well-lit though windowless classroom is in the Roeland Elementary School, Roeland, Kansas. Curtis & Cowling, Architects; J. R. Custead, P.E., Illuminating Engineer.

SEE BETTER...WITH POLARIZED LIGHT!

light were tested and verified. It was demonstrated that this type of light virtually eliminates reflected and direct glare, and reduces veiling glare. It also significantly improves color definition, visual performance, and task visibility in comparison with nonpolarized light at equal candlepower.

For the most advanced improvement in interior illumination, insist on Fiberglas Polarizing Light Panels in any lighting enclosure you specify.

For full information or a visual demonstration, write:
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For more information, turn to Reader Service card, circle No. 379

Continued from page 106

ferent types of Spintex, from flexible to rigid forms, with six types of vapor-barrier facings. Johns-Manville, Insulation Division, Box DOC-2, 22 E. 40 St., New York 16, N. Y.

On Free Data Card, Circle 215

Long-Term K-Factor

New 4-page bulletin on low-temperature insulation with Dow's "Thurane" emphasizes the long-term insulation value of the product. Initial thermal conductivity of Thurane at 70 F is in the range of 0.11 to 0.13. Dow research has determined that the long-term equilibrium K-factor for cut urethane-foam boards can be established at 0.16 to 0.17. The long-term value, Dow believes, should provide a much more reliable guide to the designer. Bulletin also gives information on Thurane's properties, includes tables on size and thickness of boards, and lists general principles of proper installation. The Dow Chemical Co., Building Products Sales, Midland, Mich.

On Free Data Card, Circle 216

SANITATION/PLUMBING

Pumps and Water Systems

New 69-page catalog presents the full line of Deming products, ranging from boiler feed pumps to turbine pumps. Catalog describes centrifugal pumps, condensation return units, hydraulic test pumps, jet pumps and water systems, reciprocating pumps and water systems, rotary pumps, submersible pumps. Complete product information is given on all units and accessories. Wiring diagrams and price lists are also included. Deming Div., Crane Co., Salem, Ohio.

On Free Data Card, Circle 217

Corrosion-Resistant Piping is Evaluated

New 8-page booklet will aid in selecting the proper thermoplastic material for low-cost piping of corrosive fluids at elevated temperatures. The best combination of chemical, thermal, and mechanical properties is discussed for a variety of applications: chemical and

food processing, laboratory and other industrial piping, and waste-drainage systems. Economic and operating advantages are summarized for each of seven types of industrial thermoplastics and for plastic-lined piping. A checklist is provided to rate each material on a point basis for specific applications. Tube Turn Plastics Inc., 30th and Magazine Sts., Louisville 11, Ky.

On Free Data Card, Circle 218

SPECIAL EQUIPMENT

Metal Components for Screens and Railings

Condensed catalog of architectural metal components is now available from Julius Blum. Among the several new additions to the company's line are: (1) recently introduced "Curtain-screen" system of stock decorative-screen components; (2) new group of components for the "Carlstadt" aluminum railing system; (3) new colors

Continued on page 114



It's **H&K** for ARCHITECTURAL GRILLES

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and DECORATIVE PERFORATED MATERIALS

(Write for General Catalog 75)

A wide selection of designs assures you of the motif "just right" for your plans. H & K perforated metal grilles are furnished in accordance with the architect's specifications for type of metal—gauge—finish—and margins. Decorative perforated materials include metals, wood, composition, plastic.

See Sweet's File—30f/Ha



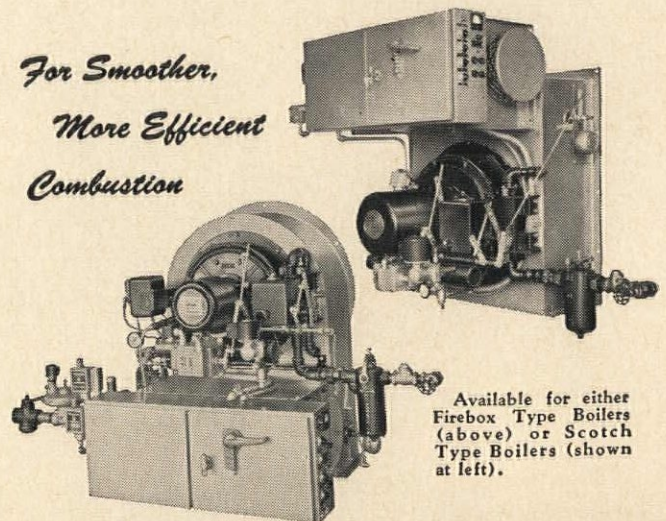
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DEPTH OF EXPERIENCE

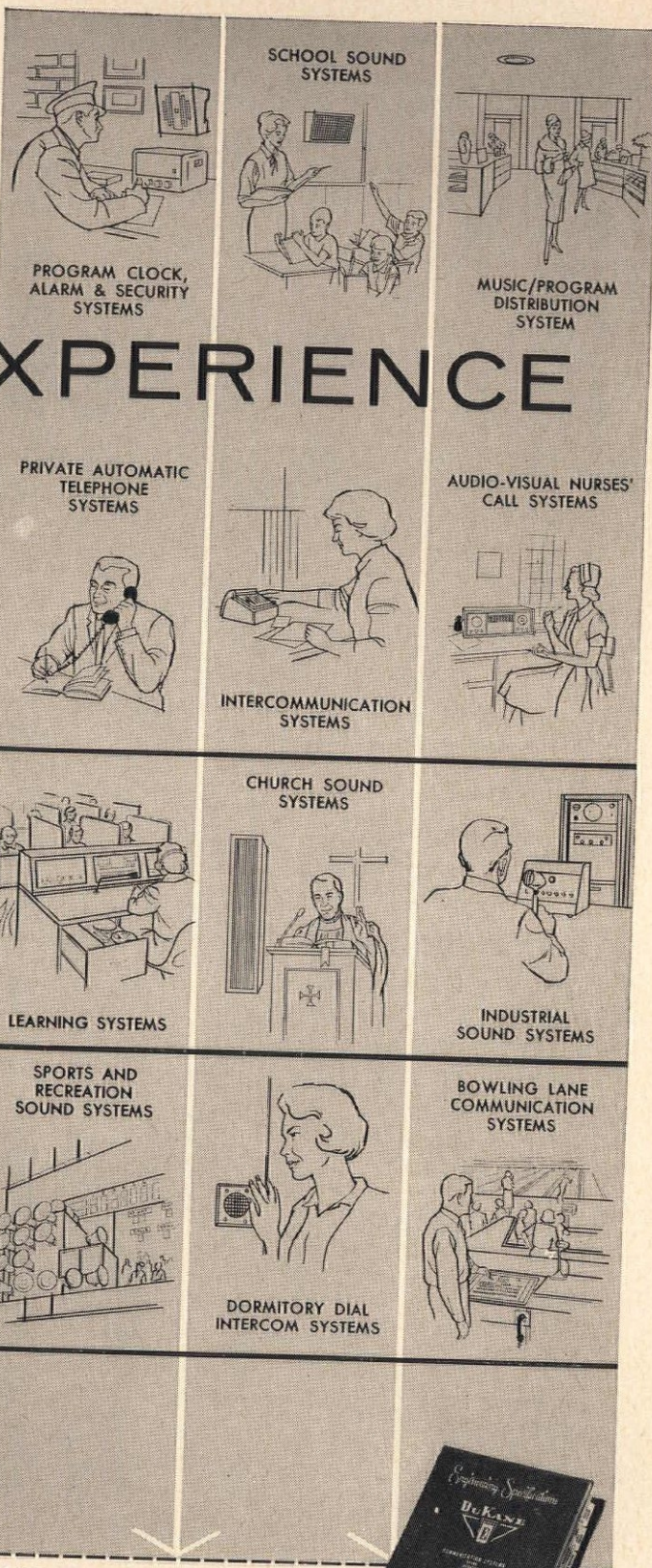
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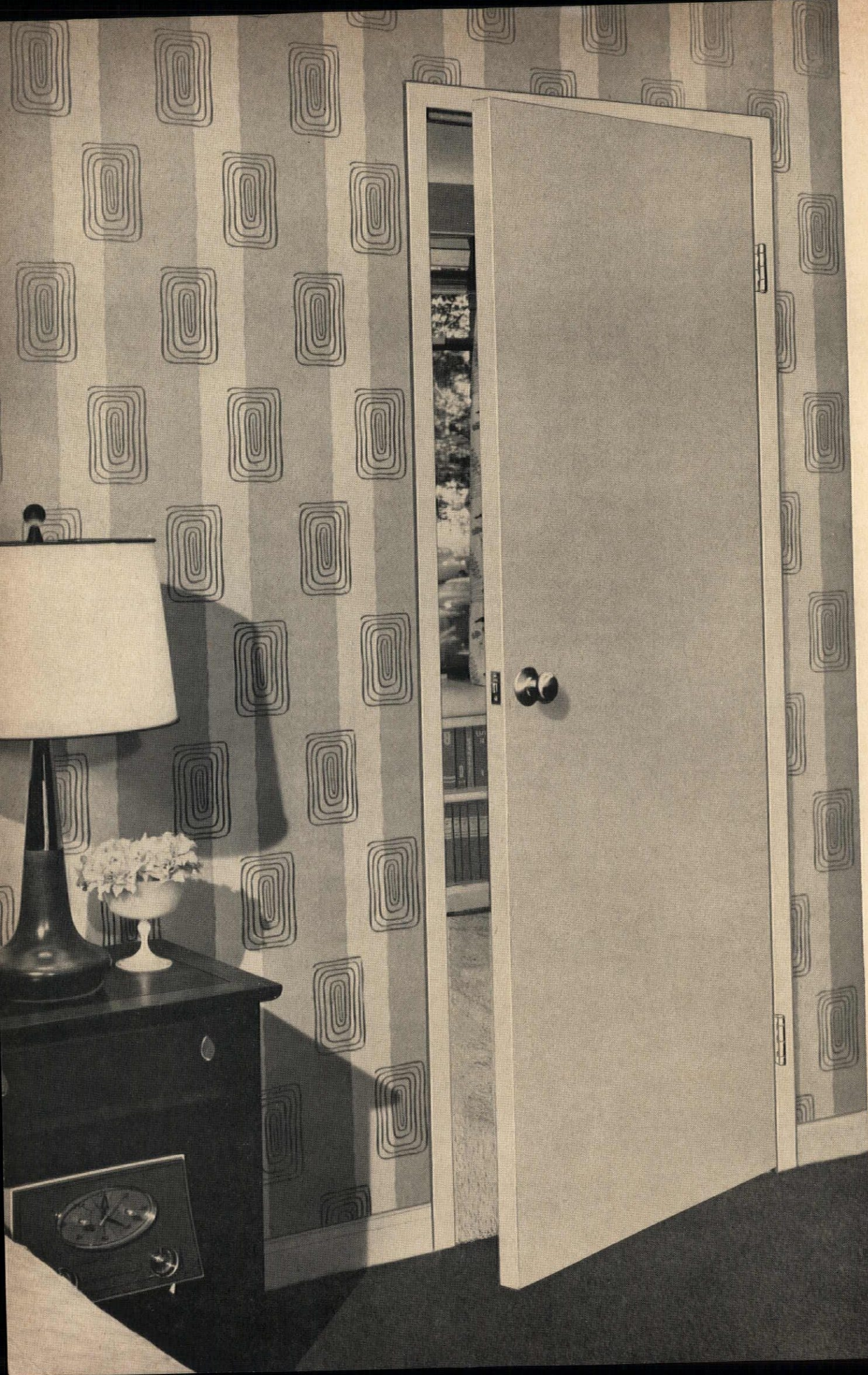
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CECO

flush and strong...and seamless on both faces...
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All doors open and close...but this new $1\frac{3}{8}$ " Ceco steel door opens and closes in a different way!

It does it q-u-i-e-t-l-y. The Ceco door eliminates all metallic ring. How? By an exclusive full-honeycomb core that does a superb job of deadening sound.

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Continued from page 110

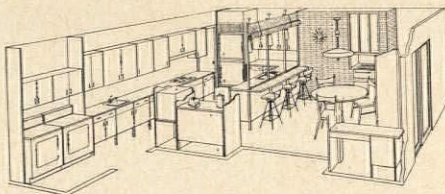
for "Colorail" plastic handrail; and (4) new treillage patterns of contemporary design. Besides these new products, the 28-page catalog illustrates other stock items: pipe railings, wrought iron and nonferrous railings, steel tubing and caps, aluminum shapes and tubing. Booklet is illustrated with detail drawings and sketches that show fabrication features and finished appearance of the various components and systems. Weights and dimensions of all items are listed. Julius Blum & Co., Inc., P.O. Box 92, Carlstadt, N. J.
On Free Data Card, Circle 219

ASA Specification for Physically Handicapped

A new American Standard specification, *Making Buildings and Facilities Accessible to, and Usable by, the Physically Handicapped*, 12 pages, has been prepared. In urging that architects incorporate these specifications in their public buildings, sponsors of the standard point out the size of the problem: there are 5,000,000 people with heart conditions, 600,000 in

wheelchairs or with heavy leg braces or artificial limbs, and 16,500,000 who are over 65. The standard gives specific recommendations for site development as well as for building elements (entrances, stairs, floors, toilet rooms, identification of facilities, warning signals, etc.). The President's Committee on Employment of the Physically Handicapped, Washington 25, D.C.

On Free Data Card, Circle 220

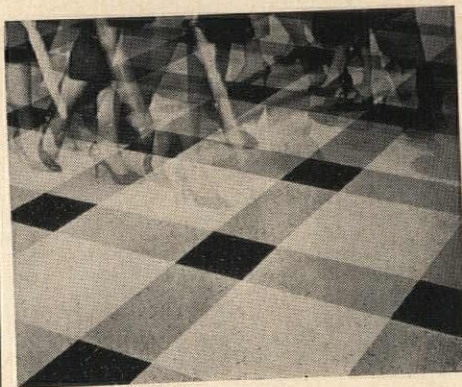


Built-in Refrigeration

1962 Data and Specification File from Revco contains complete information on built-in refrigeration for kitchens. Refrigerators, freezers, and combination units are illustrated in separate product brochures. Full specifications are given, as well as data on cabinets

and installation. The file also includes 20-page idea book, *How to Plan a Trend-Setting Kitchen*, which shows outstanding kitchens throughout the country. Revco, Inc., Deerfield, Mich.
On Free Data Card, Circle 221

SURFACING MATERIALS



Resilient Flooring

1962 catalog of Azrock floor products, 12 pages, gives color charts of vinyl asbestos and asphalt tile. In each type there are wood tones, carpet tones,

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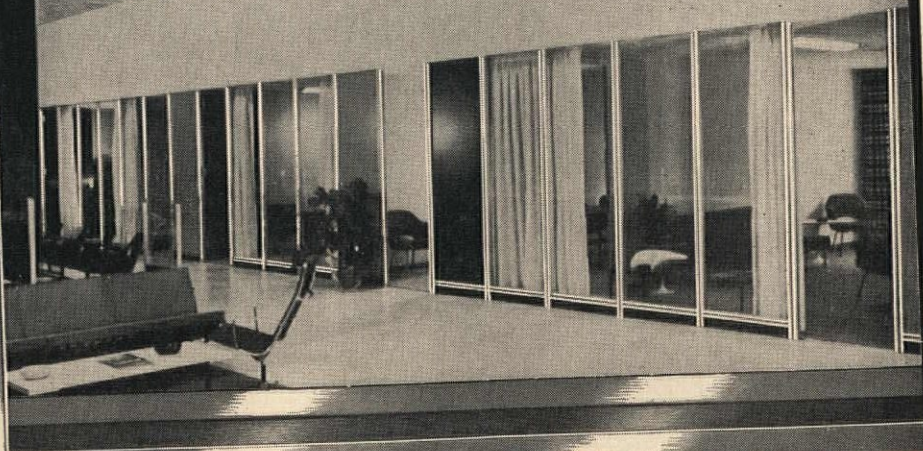
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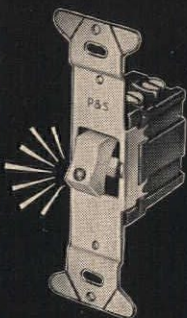
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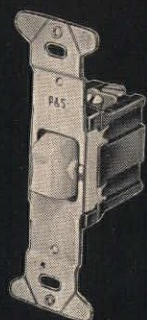
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1

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Pinpoints switch location in darkened rooms or hallways. Tiny, long-life neon lamp softly glows in OFF position only. Single pole or three-way. Rating: 15 Amperes, 120 Volts, A.C.

2

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3

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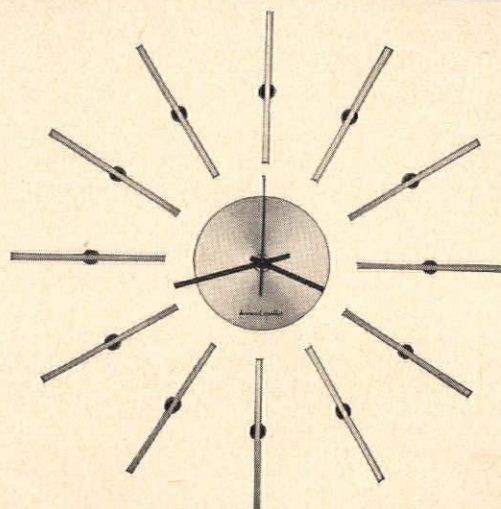
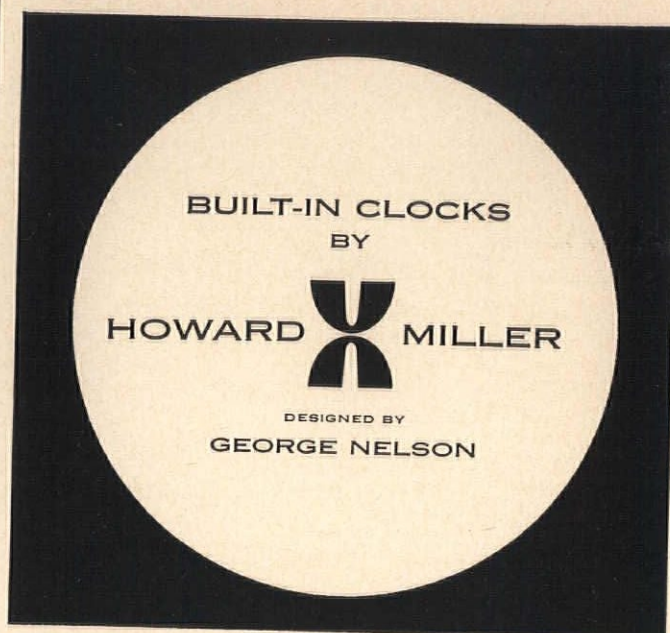
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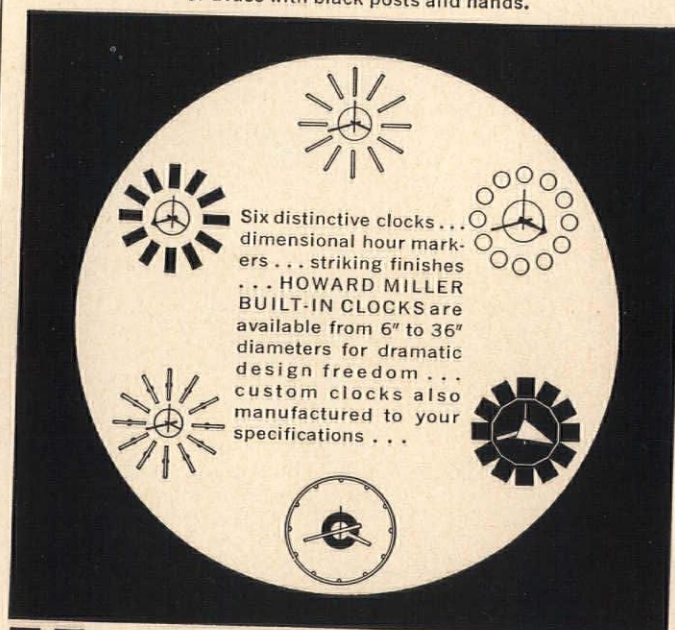
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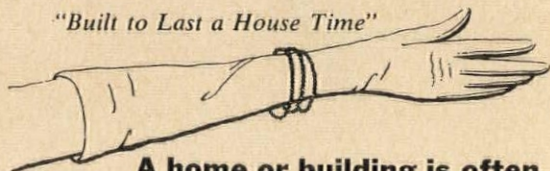
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To an ever-increasing degree in home and commercial building, *the quality of the sliding glass doors symbolizes the quality of the entire structure.* For this reason, more and more architects and builders are selecting Miller quality sliding glass doors. Visually, a beautiful focal point; structurally, there's durability and quality in every detail. For single and/or dual glazing.

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requiring laundry speed,
efficiency and economy

The UniMac 202 Washer-Extractor Combination and the Unidryer 37 are rugged, compact commercial equipment proved in hundreds of installations. Each processes up to 150 lbs. dry weight washables per hour which is, for example, sufficient volume to meet the daily laundry requirements of 100 hotel rooms. A combined equipment floor space of only 22 sq. ft. is required. There's no vibration, no bolting to floor. Operation is trouble-free without costly maintenance.



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Roof Coatings for Unusual Geometry

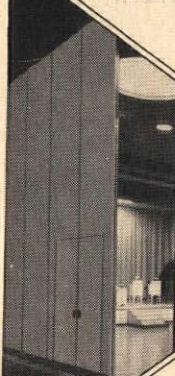
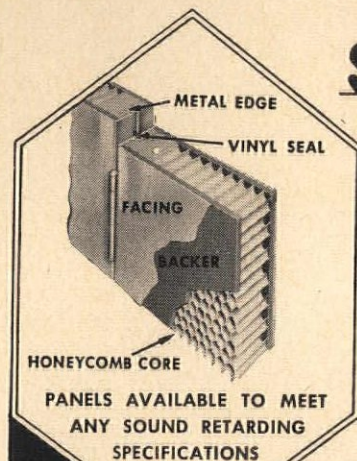
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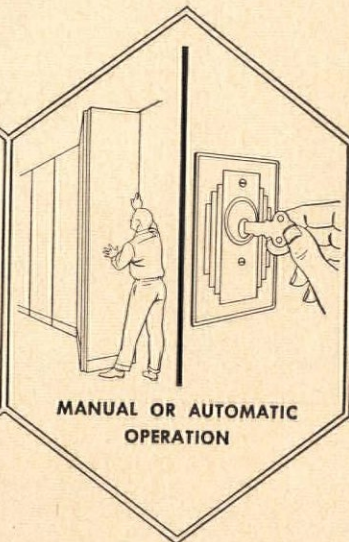
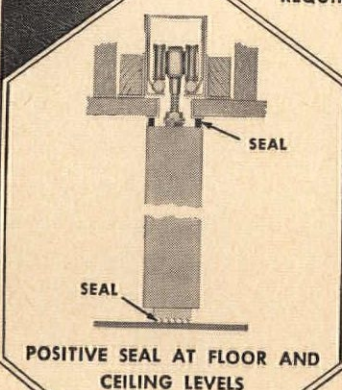
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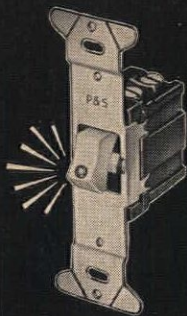
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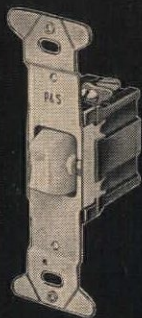
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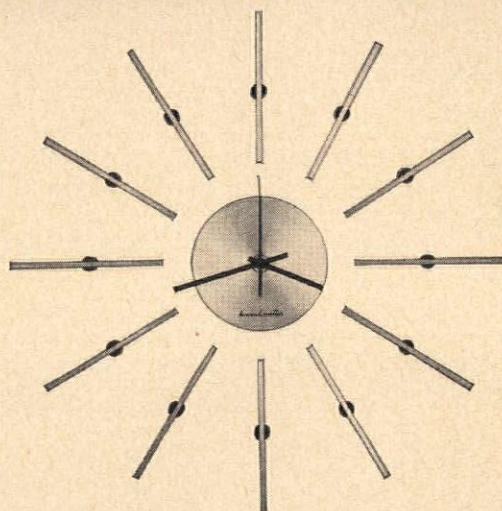


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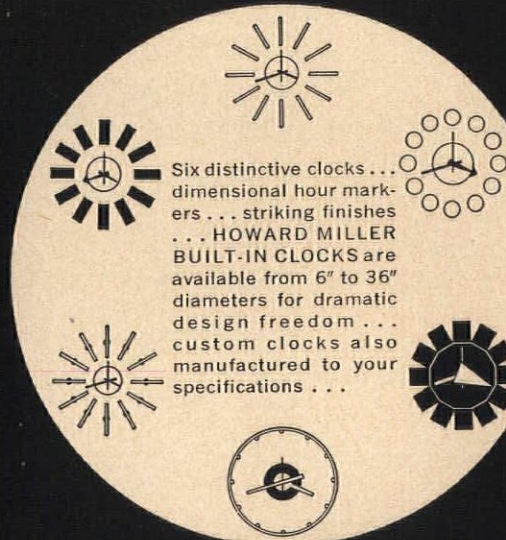
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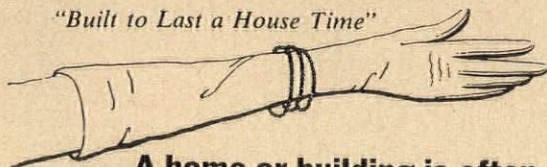
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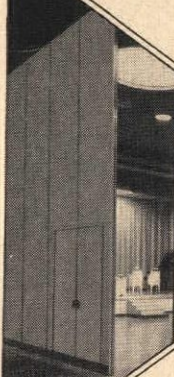
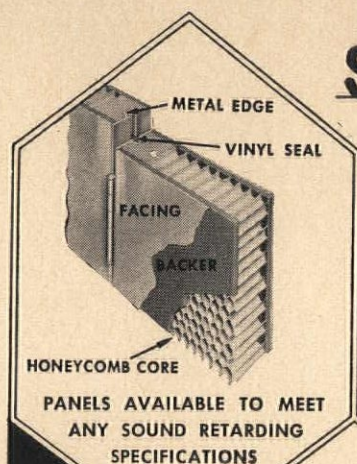
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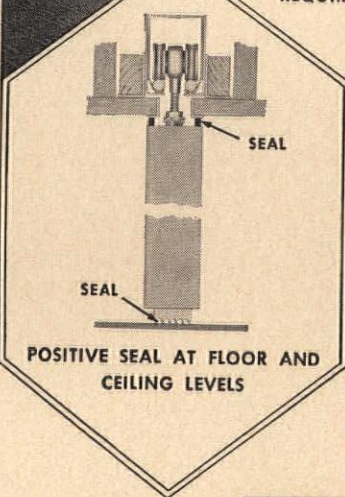
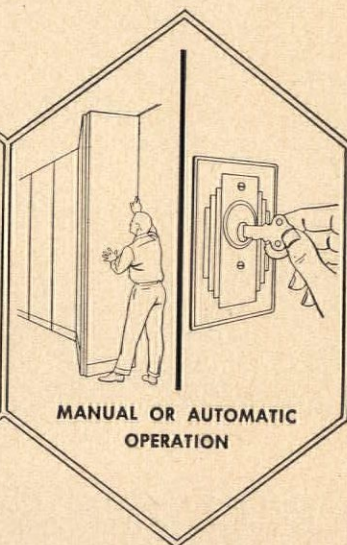
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