LOOPS CUT TERMINAL COSTS

The concept proposes 16 semicircular terminal buildings to flank the linear highway that was once the backbone of the Tippets-Abbett-McCarthy-Stratton 2-mile-long megastructure terminal (see pp. 140-141, JULY 1968 P/A), an earlier proposal. While retaining the linearity of the TAMS proposal, the Obata-Adler scheme substitutes individual terminals, each capable of handling 18 jumbo jets (or 21 conventional-sized jets), for the megastructure. Instead of driving up spiral ramps to interior parking ramps, persons arriving by automobile will be able to park in areas (inside the loop) directly in front of their departure gate. According to one spokesman, the maximum walk envisioned from parked car to boarding lounge, under this arrangement, would be something like 250'.

The question arises, of course, of how to get to one's car if one returns to another gate after a day or week away, and the designers are currently thinking of some sort of intra-terminal transit, perhaps something as familiar as buses. The emphasis of the Obata-Adler scheme has been on the time-pressed departing passenger, who, as often as not, arrives at a terminal minutes before flight time to face a half-mile run.

Traditional terminal facilities will be located in peak-roofed structures at the center of each loop's parking areas, and, within the loop, perhaps between every other gate, will be a snack bar and newsstand.

That the Guthrie Theater Foundation is currently conducting a fund drive for construction to correct this problem is not surprising. When the theater was built, 20% of its original plan was cut from architect Ralph Rapson's designs. A new addition, designed by Edward Larrabee Barnes, would increase production areas, with carpentry shop, studios, and a rehearsal room on the ground-floor level, with the stage and costume shops and administrative offices on the second floor. Part of the present backstage area will be remodeled to include a new costume and design studio, press office, snack bar, and lounge. The construction will not alter the auditorium, inner lobbies, or facade of the theater.
The huge, new, 183-acre Battelle-Northwest Richland Research Center, housing a portion of the facilities of one of the largest independent research laboratories in the nation, echoes in its facade of deep brown Mo-Sai the colors of the surrounding eastern Washington hills.

The exposed aggregate Mo-Sai units provide structural bearing walls, windowalls, spandrels, fascia elements...and even face the cooling tower and appear again in the decorative planters.

Projecting reinforcing bars were used to bond Mo-Sai units to the poured-in-place concrete. Splice plates bolted to threaded inserts align adjacent Mo-Sai units.

Glass was set directly into the Mo-Sai units with aluminum stops. The largest Mo-Sai units were 8’ 6” wide by 31’ in height. All units were shipped over 200 miles from the Mo-Sai plant in Seattle, where they were factory-made to high Mo-Sai quality-control standards, and scheduled to arrive at job site to coordinate with precise erection schedule.

Mo-Sai®
PRECAST, PRESTRESSED CONCRETE WITH EXPOSED AGGREGATE

Battelle-Northwest Richland Research Complex
Architects-Engineers: Naramore, Bain, Brady, and Johnson — Seattle, Washington
General Contractors: Charles T. Parker Construction Company — Portland, Oregon

1968 Industrial Laboratory of the year award winner. / Presented by Industrial Research Magazine for outstanding esthetic and functional design.
American art museums. Built 41 years ago, Walker Art Center was conceived as a regional, if not purely local, institution, with limited funds and appeal. Since then, however, it has emerged as one of the country's leading contemporary museums, with space requirements for exhibitions that were undreamed of in 1927. Furthermore, attendance has increased two-and-a-half times in the last 10 years. And lack of space is only one of the Center's problems; one side of the building has settled 14" below the other.

Having decided to go ahead with new construction, the Walker Art Center teamed with the Guthrie for efficiency, economy, and aesthetics, to commission Barnes and develop a common architectural program. Since Walker's entrance faces what soon will become a freeway, and Guthrie's main entrance is next to Walker's loading dock, Barnes chose to design a new entrance and lobby common to both institutions. Off the Art Center's lobby will be the Center Book Shop, a 350-seat auditorium, and an audio-visual orientation center for visitors to the museum.

The new museum structure is planned as a six-story, rectangular helix with the three gallery floors connected by stairs and elevators in a central core. The plan combines the advantages of 19th-Century museum planning (all galleries open on the entrance lobby) with the currently popular type of plan that guides visitors from one gallery into another in a predetermined sequence. At Walker, all galleries will be accessible from the lobby, but will be effective, for exhibitions, either in series or as separate spaces. Ramps lead around the perimeters of some galleries. The high-ceilinged spaces are suitable for exhibiting large sculptures or can be partitioned off for smaller displays.

The fourth and fifth floors contain open sculpture courts; the fifth also carries a restaurant and open-air dining terrace. The design culminates in a tower devoted to a study center and members' conference room. Says architect Barnes of his design, "Inside, the new Walker Art Center will be all white space — simple volumes flowing into each other. The exterior walls and roof will be treated as one continuous surface. Works of art, trees, stone, light and shade are what count — not architectural detail."

Together, the Art Center and the Guthrie need $6,200,000 to begin construction.

**OBITUARIES**

**J. Travis Fleishel, 83**

Died September 9. He was a long-standing member of the Southern Pine Association and its Board of Directors, and served several years ago as vice-chairman of the Southern Pine Industry Committee. He was also president of the Fleishel Lumber Company.

**Herbert Kliegl, son of the founder of Kliegl Bros. Lighting**, died October 3 at the age of 64. An inventor and developer as well as a manufacturer of new lighting products, he was for many years an extremely important contributor to theater lighting design. At his death, he was president and chairman of the board of the firm.
ARCHITECTURAL WORK SEEN SETTLING AFTER BANNER YEAR

According to a recent poll of 183 economists, members of the National Association of Business Economists, the U.S. economy will expand briskly throughout 1969. They admit there may be what The Wall Street Journal quotes them as calling a "brief hesitation" late this year and early in 1969 as inventories are adjusted. But despite the expected brief lull, they see the economy expanding about 6% next year.

This optimism does not necessarily apply to architects, according to P/A's annual business survey, the only one in the country that forecasts architecturally designed construction. Carried on a wave of inflation and rising costs, last year's architectural work reached record levels. For 1969, there is widespread evidence that the same conditions—especially astronomical labor costs—will act to slow down architectural design. Although 58.9% of the firms responding to the survey report gains in work since last year, over-all dollar volume of architectural business will slump. Hardest hit will be small firms, whose generally smaller commissions are the first to be priced out of a rising market. "In our area, labor cost is dictating the small office out of business," writes the owner of a one-man office from Lansing, Michigan, "I have lost 90% of my 1969 work because of increased labor and construction costs." His complaint is echoed by a respondent from San Leandro, Calif., who notes, "There has been no rise in California for the past two years. Due to credit and the war, only the largest firms—those doing public work and very large commercial work—are busy. A larger dollar volume does not necessarily indicate greater construction cost per project." He blames the static situation there on what he sees as an "overabundance of one- and two-man offices."

In Cleveland, a four-man office continues the lament: "Our experience has been that capital expenditures by the private segment of the economy have been shelved, in contrast to public works—i.e., schools, hospitals, etc.—which appear to be on the increase in activity, despite the economy."

As 1968 swings into full view, the outlook may, of course, change for the 19.5% of offices that expect a work decrease. If the economy does prosper, as expected, it may carry architecturally designed projects along with it. And, judging from the quality of the response sampled above, the offices that are currently languishing are exactly those whose clients would be most effected by uncertainty. If incomes rise, imitating costs, these clients may overcome their hesitation.

Defense and Space Work Triples

Although only 3.8% of respondents report work for defense and space, they are doing a lot of it—enough, in fact, so that, if the work were distributed evenly, a hypothetical average office would have more than three times more defense and space work on the boards than it had at this time last year (Table III). Most active category of work in this same hypothetical office will be in the commercial area, replacing education, which this year accounted for about 21% of the work and which next year will represent only 11.4%. Although private residential work will rise slowly from its 1968 slump, the rise will be neither steep nor significant, reflecting the struggle-higher costs have on small investors.

Shifts in other categories are mostly slight, and can be attributed to the general drop in the amount of work available at this time for 1969. For example, multiple residential will account for 15% of all work, compared with 13.7% this year, but will represent only some $760,000 worth of construction instead of this year's $1 million. Only about half as much work will be in health, industry, and public use on a percentage basis, but the percentage of urban design work will more than double. In this connection, it is probably significant to note that 34.3% of all work will be for the government—Federal, state, and local.

Despite the general slowdown in architectural work for next year, five areas of the country report gains: the Central States, the Gulf States, and the Western Mountain, Alaska, the Western Mountain, Nevada-Hawaii. These increases are all relatively small, but the Central States, the Gulf States, and Alaska, the Western Mountain, California-Nevada-Hawaii have risen slightly. Other areas remain much the same as last year.

TABLE I Number of Firms Reporting and Regional Distribution

<table>
<thead>
<tr>
<th>Region</th>
<th>No. of Firms</th>
<th>% of Firms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northeast</td>
<td>162</td>
<td>26.8</td>
</tr>
<tr>
<td>California-Nevada</td>
<td>89</td>
<td>14.7</td>
</tr>
<tr>
<td>Hawaii</td>
<td>66</td>
<td>10.9</td>
</tr>
<tr>
<td>North Central</td>
<td>59</td>
<td>9.8</td>
</tr>
<tr>
<td>Great Lakes</td>
<td>36</td>
<td>6.0</td>
</tr>
<tr>
<td>Southeast</td>
<td>35</td>
<td>5.8</td>
</tr>
<tr>
<td>Western Mountain</td>
<td>33</td>
<td>5.5</td>
</tr>
<tr>
<td>Texas</td>
<td>29</td>
<td>4.8</td>
</tr>
<tr>
<td>Central States</td>
<td>24</td>
<td>4.3</td>
</tr>
<tr>
<td>Total Response</td>
<td>524</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Percentage of respondents in the Northeast and the Central States has fallen off slightly, and those from the Western Mountain, North Central, Great Lakes, and California-Nevada-Hawaii have risen slightly. Others remain much the same as last year.

TABLE II Dollar Volume in the Average Office by Region

<table>
<thead>
<tr>
<th>Region</th>
<th>Average Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northeast</td>
<td>6,854,560</td>
</tr>
<tr>
<td>Texas</td>
<td>6,472,656</td>
</tr>
<tr>
<td>Great Lakes</td>
<td>5,976,923</td>
</tr>
<tr>
<td>Central States</td>
<td>5,262,500</td>
</tr>
<tr>
<td>Gulf States</td>
<td>4,350,357</td>
</tr>
<tr>
<td>Southeast</td>
<td>4,235,196</td>
</tr>
<tr>
<td>California-Nevada-Hawaii</td>
<td>4,024,096</td>
</tr>
<tr>
<td>Western Mountain</td>
<td>3,774,306</td>
</tr>
<tr>
<td>North Central</td>
<td>3,523,966</td>
</tr>
<tr>
<td>Northwest</td>
<td>2,628,571</td>
</tr>
<tr>
<td>National Average</td>
<td>5,067,032</td>
</tr>
</tbody>
</table>
U.S. MAP SHOWS DOLLAR VOLUME AND NUMBER OF EMPLOYEES IN AVERAGE ARCHITECTURAL OFFICE BY REGION

TABLE III
Dollar Volume Averages and % Distribution of Work by Types of Buildings in All Regions

<table>
<thead>
<tr>
<th>Type of Building</th>
<th>% of All $ Volume</th>
<th>$ Volume Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commerce (Low R.)</td>
<td>23.4%</td>
<td>$1,182,685</td>
</tr>
<tr>
<td>(High R.)</td>
<td>(20.1)</td>
<td>(1,068,359)</td>
</tr>
<tr>
<td>Residential Multiple</td>
<td>15.0%</td>
<td>$760,004</td>
</tr>
<tr>
<td>(Low R.)</td>
<td>(9.2)</td>
<td>(581,702)</td>
</tr>
<tr>
<td>(High R.)</td>
<td>(13.5)</td>
<td>(266,533)</td>
</tr>
<tr>
<td>Defense and Space Construction</td>
<td>14.2%</td>
<td>$219,518</td>
</tr>
<tr>
<td>Education</td>
<td>11.4%</td>
<td>$577,641</td>
</tr>
<tr>
<td>Health</td>
<td>9.0%</td>
<td>$456,333</td>
</tr>
<tr>
<td>Urban Design &amp; Redevelopment</td>
<td>7.4%</td>
<td>$374,960</td>
</tr>
<tr>
<td>Industry</td>
<td>5.5%</td>
<td>$278,686</td>
</tr>
<tr>
<td>Religion</td>
<td>5.8%</td>
<td>$192,547</td>
</tr>
<tr>
<td>Other</td>
<td>3.3%</td>
<td>$162,145</td>
</tr>
<tr>
<td>Public Use</td>
<td>3.2%</td>
<td>$152,011</td>
</tr>
<tr>
<td>Residential Single Private</td>
<td>2.4%</td>
<td>$121,608</td>
</tr>
<tr>
<td>Recreation</td>
<td>1.7%</td>
<td>$93,359</td>
</tr>
</tbody>
</table>

Last year's leading category of work, Education, falls far off the pace for 1969. Replacing it is commercial work, with residential coming, as usual, not far behind. Most startling change this year is in Defense and Space Construction, which accounted for only 2.6% of all work in last year's survey, and which in 1969 will account for 14.3%. This large volume is handled by only 3.8% of the nation's offices (see Table IV).

Most U.S. firms have work in more than one category, so percentages add up to more than 100. Percentages are roughly comparable to those a year ago.

TABLE IV
Activity of Architectural Firms in Types of Buildings

<table>
<thead>
<tr>
<th>Types of Buildings</th>
<th>% of Firms Reporting Current Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commerce (Low R.)</td>
<td>60.3%</td>
</tr>
<tr>
<td>(High R.)</td>
<td>(48.5)</td>
</tr>
<tr>
<td>Education</td>
<td>43.3%</td>
</tr>
<tr>
<td>Residential Multiple (Low R.)</td>
<td>42.5%</td>
</tr>
<tr>
<td>(High R.)</td>
<td>(30.7)</td>
</tr>
<tr>
<td>Residential Private</td>
<td>35.7%</td>
</tr>
<tr>
<td>Religion</td>
<td>37.3%</td>
</tr>
<tr>
<td>Health</td>
<td>25.9%</td>
</tr>
<tr>
<td>Industry</td>
<td>21.5%</td>
</tr>
<tr>
<td>Public Use</td>
<td>20.5%</td>
</tr>
<tr>
<td>Recreation</td>
<td>14.2%</td>
</tr>
<tr>
<td>Other</td>
<td>11.8%</td>
</tr>
<tr>
<td>Urban Design &amp; Redevelopment</td>
<td>5.6%</td>
</tr>
<tr>
<td>Defense and Space Construction</td>
<td>3.8%</td>
</tr>
</tbody>
</table>

Total specialization has increased slightly since last year. No firms specialized in Urban Design and Redevelopment. Education replaces Commerce as the most popular specialty.

Percentage of firms with up to 4 employees is off 6.6 percentage points. And firms with from 5 to 9 employees have increased 6.4 percentage points. At the same time, firms with from $1-10 million worth of work on the boards have increased 4.5 percentage points, and firms with over $10 million worth of work have slipped four percentage points.
Low-Rise Commercial Is Top Category

In 1969, for the second year in a row, Low-Rise Commercial work will provide activity for the greatest number of firms (Table IV). And it will be the leading category in seven of the ten regions. Education will be next most active leading three of the ten regions: Northeast, Western Mountain, and Texas.

Half in Preliminary Design

At this time, 41.5% of work on the boards for 1969 is in the working drawings or specifications stage. This is slightly less than the 45% last year at this time. Slightly more than half the work (50.8%) now underway for next year is in preliminary design.

Specialization

The number of firms with work in only one category (12.8%) is up a couple of percentage points over last year (Table V). Education is again the most popular specialty, regaining the lead from Commerce and Residential Private, which were the two leading specialties last year. No firms show solitary work in urban design and redevelopment.

Percentage of Very Small Firms Drops

There is some indication that rumbles from the profession are true: Costs and competition and indeed the changing nature of the profession are squeezing the very small office. The percentage of very small offices (up to 4 employees) has dropped to 55.4% from 62% a year ago. At the same time, the average office has 8.9 employees, up from 7.5 twelve months ago. The percentage of firms with from five to nine employees has increased six percentage points, to 25.8.

In dollar volume, 92.4% of the firms have less than $10 million worth of work on the boards for 1969. Of this slice, the biggest (64.1%) is done by firms having from $1 to $10 million worth of work underway. This is an increase of 4½ percentage points over last year, and most of that has come out of the percentage of work done by the very large firms. The hypothetical average firm has $5,067,320 worth of work under way, and has been in business 13.6 years.

Yesterday

When asked the reasons for the growth in architectural practice over the past 15 years, most respondents point to the steady growth of the economy and population during a period of prosperity. They talk of the need of building specialized structures to house a technological society. And many mention the increasing awareness of laymen toward architecture and architects. A seven-man firm in Honolulu puts it this way: "An educated general public is more able to distinguish between good and indifferent architecture. Clients, recognizing this, will budget accordingly for good planning, design, landscaping, art work, etc."

Tomorrow

What about the year ahead? The pessimism of many architects is offset by an optimistic belief in the architect's ability to adjust. A five-man Lakeland, Florida, office says the cost squeeze means "greater pressure for "cost-effectiveness planning" or whatever you choose to call more efficient architectural planning."

And many, of course, mention the inevitability of prefabrication, a process whose effects may be felt during the coming year. A Clifton, N.J., firm summed up the feeling: "Prefabrication and industrial production of the essential parts of buildings will take place as a result of the inability of management to solve the continuing increase in labor wage rates and the essential character of labor. There are signs already that industry is getting into the construction business in ways not attempted before. These developments will have a tremendous impact on practice."

It is probably indicative of the political climate in this election year that almost no one expects the Presidential change to have much effect on either the economy or architectural practice. But the role of government is noted: A small Detroit firm sees increased controls by governmental agencies (FHA, State Insurance Commission, etc.) over standards, as they establish priorities. And the computer seems to have come of age as an influence. It is often mentioned by architects across the country. A three-man office in Pennsauken, N.J., writes that "computer use is becoming more widespread; its use will affect not only design procedures, but client requirements as well."

And, as usual, many respondents believe that architectural design will be vastly influenced by "what the magazines show." There is, of course, the chance that the outlook for 10% of offices that expect less work next year will change as 1969 comes into full view. If the economy does prosper, so may architecturally-designed construction.

TOWER ABOVE GRAND CENTRAL LACKS LANDMARK CERTIFICATION

NEW YORK, N.Y. The saga of the mammoth 55-story office building to be planted on the roof of Grand Central Station grew stranger still last month as the Landmarks Preservation Commission denied the application of the developer, Union General Properties, Ltd., of London, for a certificate of "no exterior effect."

In what seemed to be a bit of legal maneuvering calculated to obscure the issue, Union General applied for a certificate that it could have no real hope of obtaining. Under the New York landmarks law, the owner of a landmark may change the interior of his structure in any way he wants so long as the exterior is preserved. Marcel Breuer's plans for Grand Central Station and the office structure above it call for changes in the ground-level front of the terminal on 42nd Street (see p. 46, August 1968 P/A). Under the circumstances, it took peculiarly convoluted legal reasoning to apply for a certificate of "no exterior effect." Once the certificate was denied, the builders even met with the commission to appeal the decision. The appeal was, of course, denied.

What the developers must now do, and what, it seems, they should logically have done in the first place, is apply for a certificate of "appropriateness." In any case, the plans will have to be reviewed again by the commission, and at this time approval does not seem likely. In turning down the first application, the commission commented in part: "Your 55-story tower would be an addition to a designated landmark which would effect the external appearance of that landmark." And it is probably not reading too deeply between the lines to see that a majority of the commission views the tower, let alone the physical changes to the structure beneath it, as inappropriate. Mayor Lindsay seems to agree with the commission. He issued a statement that said in part: "The city cannot lightly accept the consequences of construction of this building, affecting as it does the quality of planning and design in this city."

The developer naturally disagrees, and says he has "every intention of proceeding with the building." The next move is his.

Growth in Architectural Practice

The growth in architectural practice is again the focus of the Eighth Annual Reynolds Memorial Award for distinguished architecture using aluminum. Any architect or company who submits a building and wishes the Free. Deadline for entries is January 17, 1969. Write for details to: AISI, 150 E. 42 St., New York, N.Y. 10017 ... Nominations are now being received for the 1969 Thirteenth Annual Reynolds Memorial Award for distinguished architecture using aluminum. Any architect or company who submits a building and wishes the award can submit nominations until February 3 by writing to: The Reynolds Award, AIA, 1735 New York Ave., N.W. Washington, D.C. 20006 ... The General Building Contractors Association announces opening of the Eighth Annual

November 1968
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First Multitude on Nun's Island

Two thousand persons are now living on Nun's Island, the 1000-acre island in the St. Lawrence River, where Metropolitan Structures Inc. is building a new town for 50,000 persons. Completed is the first of five residential communities on the island, and design work is underway on the second.

In the first community are 805 dwelling units, which shortly will house 3000 persons. Included in the community are a 15-story apartment tower designed by Mies van der Rohe (1), five three-story garden apartments (2), and a series of three- and four-bedroom townhouses (3) designed by Stanley Tigerman of Chicago, and nine four-story elevator apartment houses (4) designed by Philip David Bobrow of Montreal; Bobrow was also the Montreal architect for Mies and Tigerman. These first units are located in a wooded area on the island's south shore, overlooking the St. Lawrence, but with skyline views of downtown Montreal. Rentals run from $110 for a one-room studio apartment to $345 for a four-bedroom townhouse. Also in operation are a community center with swimming pool and golf course and a 16,000-sq-ft shopping center.

Next development will be a 25-acre community with 1200 units in eight six-story and four three-story apartment houses, and 95 townhouses by Edgar Tornay of Montreal and consulting architect Donald Lee Sickler of Baltimore. Mies will consult with Tornay on two high-rise apartment houses. Construction of this segment is scheduled to get underway this fall. Johnson, Johnson & Roy of Ann Arbor did the Nun's Island master plan.

Model Building Competition for high school students in the Philadelphia area. Project for this year is to design and construct a model of a Youth Recreation Center. Contestants must register by December 4. Forms for registration may be obtained from: GBCA, Suite 1212, 2 Penn Center Plaza, Philadelphia, Pa. 19102 . . . United States Government grants for graduate study or research abroad in the creative and performing arts are available for the academic year 1969-1970. Applicants must be U.S. citizens; students who hold a doctor's degree are ineligible. Obtain details from academic advisors at schools and universities or from: Information and Reference Services Division, Institute of International Education, 809 United Nations Plaza, New York, N.Y.

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Montreal, Canada

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In the first community are 805 dwelling units, which shortly will house 3000 persons. Included in the community are a 15-story apartment tower designed by Mies van der Rohe (1), five three-story garden apartments (2), and a series of three- and four-bedroom townhouses (3) designed by Stanley Tigerman of Chicago, and nine four-story elevator apartment houses (4) designed by Philip David Bobrow of Montreal; Bobrow was also the Montreal architect for Mies and Tigerman. These first units are located in a wooded area on the island's south shore, overlooking the St. Lawrence, but with skyline views of downtown Montreal. Rentals run from $110 for a one-room studio apartment to $345 for a four-bedroom townhouse. Also in operation are a community center with swimming pool and golf course and a 16,000-sq-ft shopping center.

Next development will be a 25-acre community with 1200 units in eight six-story and four three-story apartment houses, and 95 townhouses by Edgar Tornay of Montreal and consulting architect Donald Lee Sickler of Baltimore. Mies will consult with Tornay on two high-rise apartment houses. Construction of this segment is scheduled to get underway this fall. Johnson, Johnson & Roy of Ann Arbor did the Nun's Island master plan.

An Interprofessional Conference on Education for Environmental Design will be held November 11-13 at the Center for Continuing Education at the University of Notre Dame. The conference will be conducted by the Interprofessional Commission on Environmental Design, an alliance of six professional societies. For details, write to: ICED, American Society of Civil Engineers, 345 E. 47 St., New York, N.Y. 10017 . . . The Annual Meeting of the Aluminum Association will convene November 20-22 at the New York Hilton Hotel, New York City. Write for information to: Aluminum Association, 420 Lexington Ave., New York, N.Y. 10017 . . . The Eighth Annual Construction Contracts and Specifications Institute will be presented by the University of Wisconsin and Region 7 of the Construction Specifications Institute November 21-22 on the university's Madison campus. For further information, write to: Dwight D. Zeck, Institute Director, 725 Extension Bldg., 432 N. Lake St., University of Wisconsin, Madison, Wis. 53706 . . . The Third Annual Meeting of Automated Procedures for Engineering Consultants, Inc., is scheduled for November 21-22 at the Hilton Inn, Dallas, Tex. Members and guests will demonstrate computer programs for duct design and piping system design. Further information about the meeting and the organization is available from: Alan H. Smith, Executive Director, 3616 Mid-Pines Dr., Dallas, Tex. 75229 . . . At the Annual General Meeting of the Architectural Institute of British Columbia, scheduled for December 6 in Vancouver, the principal speaker will be architectural critic Allan Temko. Precise program information is obtainable from: AIBC, 567 Burrard St., Vancouver 1, B.C., Canada . . . The Winter Meeting of the National Society of Professional Engineers will be held January 15-18 in the Stardust Hotel, Las Vegas, Nev. For registration blanks, write to: NSPE, 2029 K
What raised floors are weaker than WacoPlate?

All of them!

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November 1968

P/A News Report

A GHIRARDELLI SQUARE IN BROOKLYN?
WHY NOT?

BROOKLYN, N.Y. The main
downtown shopping center in
Brooklyn does a business that
makes any retailer's head
whirl with green dollar signs.
Already there are four main
department stores in the four
blocks of Fulton Street that
make up Brooklyn's equivalent
of Herald Square, and
another, Klein's, a discount
house, is planning to build on
the old Fox Theater site. But
with all this retail activity,
commercial office space has
gone begging. The Williams-
burg Savings Bank tower a
few blocks away has a 15%
vacancy rate, probably be-
cause many firms prefer a
Manhattan location, just five
minutes away by subway.
Yet the area is ripe. It
seems possible that more
modern office space could be-
come as popular as retail
space, and with the revitaliza-
tion of some of the surround-
ing residential areas (see p.
54, JULY 1968 P/A) the
walk to work in Brooklyn
may become more and more
popular.

One local business is count-
ing on it. Barton's is the third
largest candy producer in the
country. With ideas of ex-
panding, the company went to
the City Planning Commissi-
on to request a change in
the surrounding zoning from
commercial to light indu-
trial. Barton's sits astride Ful-
ton Street at Flatbush Ave-
ue, in an area that has
three major subway stops, a
Long Island Railroad station,
the Brooklyn Academy of
Music, Long Island Univer-
sity, and the Brooklyn Hospi-

tal. Obviously, the area has
great potential. But for what?
And how do you realize it?
Barton's now employs
about 700 persons, and ex-
pansion of their own plant
would mean 500 more jobs.
Further commercial develop-
ment on the 5 acres the com-
pany has assembled around
its present plant could provide
a lot more. The City Plan-
ning Commission's Urban De-
sign Group thought the addi-

THE PINK SILK AIRPLANE AND OTHER EVENTS

NEW YORK, N.Y. There, out-
side the Architectural League
building in New York City,
ested James Lee Byars wear-
yards of enveloping red
acetate and a black broad
brimmed hat. "He looked
like a pink pilgrim," said one
observer, and he may be just
that. Byars' journey has taken
him to Japan seven times,
where he studied paper and
fabric making and lived alone
in the mountains. More re-
cently, it took him to New
York, where he was the recip-
ient of the J. Clawson Mills
Grant from the League. For
almost a month this fall, he
presented what he called plays
of red acetate and paraded
around the block. Another
time, in Central Park, he had
two persons wear hats con-
nected by a mile of red ace-
tate to explore the possibilities
of "communication" at that
distance and under those
conditions. Just what he found
out is not certain, but almost
everyone who came across
them seemed to be willing to
be drawn into the plays. "I
was amazed at the reception
my ideas had in New York,
when I first came back from
Japan," says Byars, who
found the Japanese more used
to persons loping around the
countryside in pink silk.

Among the things Byars
would like to do is stage his
plays on plazas or sidewalks
in front of buildings, making
his scene a sort of ever-chang-
ing sculpture that could add
to the buildings' ambience. He
might, he thinks, even stage
events to commemorate cer-
tain special days, such as
Thanksgiving or Christmas.
With his love of brightly col-
ored, softly textured fabrics,
Byars might add something to
the city with his staged events.
But at least one urban plan-
ner thinks differently: "A city
has enough going on without
creating something artificial
on top of it."

The 18th Annual Interna-
tional Heating and Air Con-
ditioning Exposition, to be
held at Chicago's Interna-
tional Amphitheater, is sched-
uled for January 27-30. Write
to request information to:
International Heating and Air
Conditioning Exposition, 200
Park Ave., New York, N.Y.
10017.
There's a practical way to design buildings that have two wanted attributes: visual variety and built-in rigidity. First, choose monolithic concrete construction, just now being rediscovered by architects for its versatility. Then design fluidly. As you sculpt and mold, call in Ceco to carry out your floor framing ideas with dependable Steelform Service.

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Ceco's trained crews and knowledgeable supervision can make your building come alive promptly. Ceco steelform service is nationwide. It is backed by vast experience, making Ceco the No. 1 supplier of steelform floor framing. Construction is fast. Forming equipment, rebars and concrete are available nearby—no long waits. Construction is economical—often $1.00/sq. ft. less than other types. The Ceco Corporation, general offices: 5601 West 26th Street, Chicago, Illinois 60650.
Problems find solutions on Bruning drafting media.

Subtle problems often call for careful attention to details. On materials designed for precision planning:

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Whatever the problem, there is quality Bruning drafting material for effective solutions. Like Bruning's Sure-Scale polyester film, Drafting Clam, and CB Wash-Off. Ask your Bruning representative for a demonstration, or write Market Development Department, 1800 W. Central Road, Mt. Prospect, Illinois 60056.

And be ready to solve subtle problems. Bruning drafting materials. The pride of professionals.

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Addressograph Multigraph
The National Institute of Mental Health recently awarded a $599,000 research grant to the Department of Architecture, University of California at Berkeley. The grant is to be used for an 18-month study of the application of behavioral research and systems design methods to the planning of institutional buildings, including housing, health, educational, and social service facilities. Sim Van der Ryn, associate professor of architecture, is directing the study. Participants include psychologist Robert Sommer, sociologist Carl Wetherman, economist Claude Gruen, systems planners Michael Teitz and Horst Rittel, and architect Roslyn Lindheim. The group would like to hear from people currently planning facilities that incorporate innovative program or design approaches.

The Department of Architecture at the University of New Mexico... The State of Alabama's first master's degree in city and regional planning is offered this year by Auburn University. The program is operated by a committee whose members are drawn from architecture, agricultural land use, economics, engineering, geography, political science, public administration, and sociology. Students with undergraduate degrees in any of these areas will be generally qualified for the master's degree program.

SCHOOLS

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Homasote products are on display at the Architectural Materials Center, 101 Park Avenue in New York City, where free samples and literature are available. Building material dealers throughout the United States and Canada can also provide literature and samples, or write to Homasote, Dept. PA-11.
BERKELEY, CALIF. After three years of development, the University of California and the Educational Facilities Laboratory announced a partial prefabricated system for student housing. Bids, which came in this fall, were accepted for all elements of the system except the bathroom; this component may be rebid. By using the system, which will represent approximately 55% of all building costs, the university expects to save 12% of the cost of conventional building. Known as URBS (University Residential Building System), the system will be used by the university in a three-year, $30- to $60-million construction program that will provide housing for from 4500 to 9000 students.

In all, there are five components in the system:

1. Structure-Ceiling. Designed by Hellmuth, Obata & Kassabaum in collaboration with Interspace, Inc.; commissioned and participated in by the Portland Cement Association. It has precast concrete inverted double-T beams supported by cast-in-place transverse beams, precast columns and shear walls. Floor is cast-in-place concrete over discardable metal forms on the inverted-T stems. Void between the floor above and the ceiling below is used for ventilation and utility distribution.

2. Partitions. Designed by Vaughan Interior Walls, Inc., in collaboration with U.S. Gypsum Corp. Laminated gypsum panels with gypsum studs are removable from either side of the wall. Wall panel surfaces includes vinyl, epoxy paint, rough wood, chalkboard and tacking board.

3. Heating-Ventilation Cooling. Design by Ayres & Hayakawa. Component provides forced-air heating distribution from multizone units that provide for approximately 2000 sq ft of floor area. (Ducts and ceiling diffusers do the distributing.) Return air moves through the structural cavity. There will also be individual room control and automatic climate control. Cooling is optional.

4. Furnishings. Designed and provided by the Simmons Co. A bed, desk, an adjustable height upholstered plastic shell chair are all metal framed. Storage units are made to attach to partition fittings.

5. Bathrooms. Designed by the Crane Co., and provided by the Johnson Washer Co. A glass-fiber shell comes in three parts with a built-in bath tub/shower. Cast iron lavatory and china water closet are surface attached. The architect was Ezra Ehrenkrantz; his firm, Building Systems Development, Inc., was consultant.

WASHINGTON/ FINANCIAL NEWS
by E. E. HALMOS JR.

Price-Bidding Deleted — Fast footwork in Congressional backrooms saved architects and engineers from a fate many of them consider worse than death: a flat legal provision requiring price-bidding for A-E services. The provision was contained in an otherwise innocuous amendment to the annual military procurement appropriations bill. It simply required that the military services must receive bids for any purchase above $2500.

By the time anybody realized the implications of that wording, the bills had moved out of committee hearings on both sides of the Capitol, and were on the floors for debate and final passage.

It was too late for amendment or change, but representatives of AIA, CEC, and other professional groups managed quick visits with key legislators.

Result was insertion of "language" into the official record of the debate on the measure, to the effect that Congress didn't mean to include A-E work.

Said Mississippi's Senator John Stennis: "It is not intended that this language will operate to require the selection of architectural and engineering firms on the basis of price quotations." Similar comment was inserted in House records.

Importance is that courts usually take such comments into account when attempting to decide the intent of Congress in passing a law.

Last-Minute Congressional Decisions — The cliff-hanger on bidding was one of several close decisions that came through as Congress was attempting to pack its bags for the journey home. Another was defeat of a determined effort to exempt publications of nonprofit organizations (such as AIA, ASCE, the AMA, the U.S. Chamber of Commerce) from a rule by the Internal Revenue Service that their income is taxable.

Still another was the death of measures in both Houses that would have extended Federal safety and health regulations to all projects in which Federal money is involved in any way (whether through grants, loans, insurance, guarantees, or any other method). And with it were killed two other bills that would have affected the handling of construction labor by vastly extending the powers of the Equal Employment Opportunities Commission, and extending the President's hand in dealing with "national emergency" strikes.

There were some cuts, under budget estimates, but the bills that became law contained substantial increases for construction: $1,500,000,000 for housing and urban development; $5,500,000,000 for transportation; $1,800,000,000 for military construction; $1,400,000,000 for general public works.

Budget Cuts Left to Administration — But Congress didn't really indicate where further cuts should be made to bring general Government spending in line with a $6 billion cutback that it had ordered, thus leaving the whole burden on the Johnson Administration.

Predictably, the Administration immediately announced that it would trim $200 million from highway spending (by deferrals of contract awards and other means), carefully "leaked" other information on job lay-offs, closing of various Federal installations, and the like.

With equal predictability, Congress screamed "foul" and filled pages of the Congressional Record with denunciations of Administration actions on the highway money, and with hastily introduced bills to exempt pet projects from any spending cutback. Most of these attempts failed, thus leaving the whole question of how much the Government will actually spend (and where and when it will be spent) exactly where it was before: in the hands of the Administration.
This is a ceiling at work.

It does more than look right. Because its heart, C-60 Luminaire, delivers light without glare, comfortable sound levels, conditioned air. It’s a ceiling system you design with. Here, for example, vaulted C-60 modules are used with Sanserra Travertone*: a tile with a seam-hiding texture. The total system offers unusual design flexibility while meeting functional requirements. C-60 Luminaire and other ceiling innovations are described in our folio. Please write for a copy.

Armstrong, 4211 Watson St., Lancaster, Pa. 17604.
**PRODUCTS**

**NEW FACE FOR STAINLESS STEEL**

Tene-Coated Stainless steel was created especially for the architectural field as a roofing and weather-sealing material. TCS is 304 nickel-chrome stainless-steel sheet, coated on both sides with Terne alloy (80% lead, 20% tin). This alloy has been used for over three centuries as a protective coating on carbon steel, but this is its first commercial production as a coating for stainless. The coating is achieved by a hot dip process that is said to assure a "consistently uniform surface that actually forms a metallurgical bond with the stainless steel." TCS, when properly installed, is said never to need maintenance; it weathers to a uniform dark gray; and it will not produce discoloration on other building surfaces as the result of wash-off. Other qualities claimed by the manufacturer for TCS are: a coating anodic to stainless steel, which therefore sacrifices itself to protect the core metal; more resistance to corrosive attack; a coating; an almost unlimted color choice is provided for TCS. Follansbee Steel Corp., Follansbee, W. Va. Circle 100, Readers' Service Card

**FINISHES PROTECTORS**

Don't fence me out. An aluminum coating on a chain link fencing fabric and barb wire is claimed to prolong life (before maintenance) up to three to five times longer than the hot dipped galvanized variety. The appearance is said to be smooth, and when used with a smooth round post framework and bevel-edge bands that offer little foothold, the fence is "less climbable than other types." Page Fence, American Chain & Cable Co., P.O. Box 390, Wilkes Barre, Pa. 18703. Circle 102, Readers' Service Card

Respiratory coating. A spray-applied coating, Textane Type II, is said to eliminate film failure by allowing a normal transmission of water vapor. Special acrylic resins are said to prevent yellowing of the coating; an almost unlimited color choice is provided by a wide range of graded ceramic aggregates. The coating may be installed over most masonry backings; it is said to work well for feature walls, murals, and facias. Desco International Assoc., P.O. Box 74, Buffalo, N.Y. Circle 103, Readers' Service Card

Visibility, or desk-perception. A game table and shelf unit combine to form a desk that may be looked through as well as looked at. The table is 28" high, 32" sq, and the shelf and drawer unit measures 32" x 15" x 9". The stylized Captain's chair, with its inflatable backrest, measures 28" x 17½" x 21½"w. All are constructed of plexiglas with chrome hardware. Susan Lewis, 10 E. 76 St., New York, N.Y. 10021. Circle 105, Readers' Service Card

**FURNISHINGS**

Acoustical office furniture. Known officially as TAG (Task Administrative Group), and unofficially as "fuzzy," all vertical surfaces of this convertible office furniture are made of an acoustical material called Artitex. Claimed to absorb and disperse sound, Artitex is a textured nylon material that is abrasion-resistant and may be vacuum cleaned. In office landscape design, where floor to ceiling partitions are rapidly disappearing, furniture must be able to control random noise. Snap-on front and side panels give flexibility to the TAG desks and tables, as do mobile drawer sets; also available are convertible chairs, storage units, and free-standing curved panels. Art Metal Inc, Jamestown, N.Y. Circle 104, Readers' Service Card

Chairs that gang. An absence of visible fasteners makes the Libra II stack chair equally handsome whether used alone or ganged together. Libra II, like its forbear, Libra I, is constructed of a molded one-piece plastic shell and supported by a chromed steel frame, but, in addition, it has welded arms with curved plastic arm rests. Color is molded in; the choices are: white sand, black, dark olive, leather tan, royal blue, and brick red. Domore Office Furniture, Inc., Elkhart, Ind. Circle 106, Readers' Service Card

**CONSTRUCTION**

Energy-absorbing EAR. Plast-like, Energy Absorbing Resin (EAR), is available as a solid and as a foam. As a foam, it is said to float, be non-burning, lightweight, moldable, and energy-absorbing; as a solid, it has impact-absorption, is fire retardant, and has ease of fabrication qualities. In either form, it has sound-deadening and vibration-damping potential for industrial and architectural installations. Norton Co., 1 New Bond St., Worcester, Mass. 01606. Circle 101, Readers' Service Card

**LIGHTING**

Limited plenum lighting. Manufactured in three sizes for wattages from 100 to 500, the Annulite ceiling fixture has an over-all height of just slightly more than the length of the lamp itself, yet is said to retain an efficiency of 60.5%. This is attributed to the use of a stepped reflector and an annular aperture. Several reflector finishes are offered, as well as a semicircised and pendant-mounted model, Rambusch Co., 40 W. 13th St., New York, N.Y. 10011. Circle 108, Readers' Service Card

Illuminating effects. The Quadrille 6 and the Quadrille 6 Multi-Groove are both expansions of a square tube downlight series; both offer intensity and width of beam variations, as well as wall wash. Quadrille 6 may be...
Find aesthetic repetition in Ceco's Standard Steeldome Floor-Forming experience

Think how you can use these repetitive units to bring beauty out of standardization. Standardization spawns creativity. It has always done this, from the Parthenon to the skyscraper. Great things come out of standardization.

This is no less true with standard steeldome modules for monolithic concrete joist construction. You can use them aesthetically in sculptured waffle ceilings. You can create with a sure hand, relying on Ceco's 56 years of experience in forming floor systems with removable steel-forms. This means you work and shape fluidly, molding versatile monolithic structures of strength and rigidity. Ceco's experienced crews and project supervisors are adept at carrying out your design and coordinating with other trades. Your project starts fast, speeds ahead. Forms, rebars, concrete materials are close at hand.

Another thing: monolithic concrete floor forming is economical, often $1.00/sq. ft. less than other types. Ceco is big in experience as a nationwide specialist in floor forming, known for dependability and quality. So as you plan your next project, call on Ceco experience. The Ceco Corporation, general offices: 5601 West 26th Street, Chicago, Ill. 60650.
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Speed up the job, get feed-thru wiring without splices. Every SUPER duplex has eight wire holes; every single outlet has four.

Terminals are 40% heavier than usual. Designed for side or back wiring, will take up to No. 10 wire.

If the job requires positive heavy-duty grounding outlets, then it requires the P&S SUPER line. Available in DUPLEX and SINGLE 15A., 125V; 20A., 125V; 15A., 250V; 20A., 250V.

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On Readers' Service Card, Circle No. 366

semi- or fully-recessed, surface- or stem-mounted, and can be installed singly or in 4-unit modules (quads). Both are available in a choice of apertures and finishes. Lightolier, 346 Claremont Ave., Jersey City, N.J., 17305. Circle 109, Readers' Service Card

Scale models. As an addition to its 1967 line of model building materials, the manufacturer has introduced 100-scale cast metal airplanes and trucks in a variety of scales; all are designed as aids in the construction of finished and study models, presentations and displays. Said to have an embossed surface useful for both renderings and model making. Architectural Models, Inc., 361 Brannan St., San Francisco, Calif. 94107. Circle 112, Readers' Service Card

Egg-crate louver. The acrylic Demisel light diffusing louver is produced from Acrylite molding compound by the hot manifold process from a custom-designed mold, said to insure consistently high quality, economically achieved. The resulting louver is lightweight, breakage-resistant, and has long-range color stability. Wilson Research Corp., Erie, Pa. Circle 110, Readers' Service Card

Textured metal. Essex is one of many metal patterns said to add strength to lightgage metals and to eliminate monotonous expanses of flat metal facias or partitions. Patterns can be produced in thicknesses from .012" to .018" in stainless, and from .012" up to .025" in aluminum, copper, and brass, providing a diverse texture that can, nevertheless, be easily cleaned. The metal texture can be laminated to other metals, as well as to wood, cement, and asbestos board. Ardmore Textured Metals Inc., Woodbridge Ave at Main St., Edison, N.J., 08817. Circle 113, Readers' Service Card

Pedestal drafting table. The "versatility" drafting and drawing table is said to be compact, and a complement to regular office furniture; it may be further used as an addition to an in-line Dial-A-Torque installation. Board sizes range from 32" x 42" to 43½" x 84"; finishes are Gray or Island Green. Hamilton Mfg. Co., Two Rivers, Wisc. 54241. Circle 111, Readers' Service Card

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On Readers' Service Card, Circle No. 372

November 1968

On Readers' Service Card, Circle No. 372
So-o-o-oBig!

Doors of unusual dimension require unusual control: Rixson concealed floor closers.* The clean, uncluttered lines of contemporary architecture require controls which are out of sight and harm's way: Rixson concealed floor closers.

Rixson's No. 28 Series center hung, for exterior or interior doors. Exclusive full control panel adjustments for back check, latch and closing speeds, spring tension and selector hold-open.

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Sound conditioning. Pyrotect, a cellulose fiber acoustical material, is available as linear and square ceiling tile, and as sound-absorbing board for walls, floors, and ceilings. Design flexibility is said to be achieved through a variety of patterns, sound-absorption coefficients, and attenuation factors. All products are adaptable to standard installation methods. Simpson Timber Co., Acoustical Div., 2000 Washington Bldg., Seattle, Wash. 98101.

Temperature planning. Entitled "A Plan for All Seasons," this catalog contains electrical heating units from baseboard to ceiling, for residential, commercial, and industrial installations; also furnaces. A complete air-conditioning equipment line is presented, in addition to freeze protection products, thermostats, and controls. Included are photos, descriptions, sizes, installation drawings, and a rating chart for over 200 models. Berke Electric Mfg. Corp., P.O. Box 365, Michigan City, Ind. 46360.

Partition glass. Patterned and wired glasses in 36 variations are designed to provide varying amounts of visibility, security, and light transmission in applications as windows, walls, partitions, skylights, and clerestories; coordinated doors available. Thickness, light transmission, weight, dimension, and finish specs for both patterned and wired glass. Photos, Booklet. 15 pages. American Saint Gobain Corp., P.O. Box 929, Kingsport, Tenn.

Calefacient catalog. Product catalog of electric blast coil duct heaters is filled with application and design information for both custom and standard heaters. Also contains accessory and control equipment, wiring diagrams, and sample specs. Data geared primarily to engineers. 96 pages. Industrial Engineering & Equipment Co., 425 Hanley Industrial Ct., St. Louis, Mo. 63144.

CONSTRUCTION

PVC-plus panels. AVR-Duraform building panels, made of asbestos-reinforced rigid vinyl, are said to combine the resiliency typical of other plastic panels with the structural strength of asbestos- cement. For use as siding, roofing in industrial, commercial, and institutional applications. Data sheets list type, size and thickness variations; mechanical, electrical, thermal and chemical properties; load-bearing charts. A table compares Duraform with other conventional materials. Bulletin. 17 pages. Kaykor Products Corp., Yardville, N. J. 08620.

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Circle 207, Readers’ Service Card

DOORS/WINDOWS

Guidelines for steel doors. Developed to establish criteria for the selection and use of standard steel doors, booklet describes types of doors available, and, in table form, indicates proper use of these doors in apartment, dormitory, hospital, office, school, and hotel installations. Includes: door type; style; construction; minimum thickness gage for panels; rails; standard door design nomenclature. Steel Door Institute, 2130 Keith Bldg., Cleveland, Ohio 44115.

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Frames and sashes. Complete line of architectural/monumental, commercial/industrial, and detention/institutional windows are constructed of either aluminum or steel. Information concerning special Bayco color finish and Bayseal weatherstrip, mastic surround for cement installations, and accessory mechanical operators and industrial doors. Details, dimensions, complete details and specs available in individual product folders. Catalog. 36 pages. William Bayley Co., Springfield, Ohio 45501. Circle 210, Readers Service Card


FINISHES & PROTECTORS

Architectural cosmetics. Adhesive, coating, and sealant catalog, in chart form, lists Government specifications and Federal stock number descriptions, intended application, and the corresponding adhesive, coating, or sealant, to meet the requirements. Also lists properties and container sizes for many products. 20 pages. 3M Company, 3M Center, St. Paul, Minn. 55101. Circle 212, Readers Service Card

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Comprehensive coverage. Manufacturer's guide to all waterproofing, restoring, protective and corrective products for masonry and cement includes description and specs for each; also, necessary surface preparation. Products are for both interior and exterior use, above or below grade. 4 pages. Taums Industries, 8000 Joliet Rd., Box 64, Lyons, Ill. 60534. Circle 213, Readers' Service Card

FURNISHINGS

Rectilinear desk styles. The 3200 Series Desks include standard double- and single-pedestal models, as well as machine and typewriter desks, typing units, credenzas, worktables, and convertible desk combinations. Available in various acrylic enamel finishes; brushed or polished chrome hardware; range of plastic laminate tops. Scheerer几年 with plastic laminate finishes. Fabric specs. Interior and exterior finishes are in accordance with state and national standards; certificates of flameproofing are issued. Fabric is said to be processed and delivered within 24 hrs of its receipt at finishing plant. Brochure describes crush velvet, cure, resize, deodorization, fab-bac, mildewproof, mothproof, stabilizing and shrink process; also Scotchgard and ZePel. Pick-up service is offered only in the L.A. and N.Y. areas, but delivery in any area may include a dozen drop-shipments. Includes prices, specs, and properties of finished fabric. 8 pages. Perma-Dry Div., Kiesling-Hess Finishing Co., Inc., 519 W. 38th St., New York, N.Y. Circle 217, Readers' Service Card

OFFICE EQUIPMENT

Die-cut templates. All templates are said to be quality-checked for size, symmetry, and spacing: they include house plans, plumbing fixtures, furniture, windows, and many geometric series. Also, more technical electrical, flow-plan and lettering templates. Describes each, including standard sizes; many templates have slide-easy lower edge. Catalog. 16 pages. Timely Products Co., Box 416, Baltimore, Ohio 43105. Circle 215, Readers' Service Card

ROOFING

Ribbed decking. EPIC steel roof deck may be narrow ribbed for short spans, or wide ribbed for longer spans; it is made of lightweight galvanized steel, covered with Korad A, an all-acrylic polymer film that carries a 15-yr guarantee. Included are: uniform load charts for 18-, 20-, and 22-gage decking; properties per foot of width; standard details; design and architectural specs. Available in 24" width, in lengths up to 32". Booklet. 8 pages. EPIC Metals Corp., 1844 Ardmore Blvd., Pittsburgh, Pa. 15221 Circle 216, Readers' Service Card

Fabric specs. Fabric finishing service guide offers information about flameproofing, stainproofing, and specialty finishes for both natural and synthetic fiber fabrics. Finishing services are in accordance with state and national standards; certificates of flameproofing are issued. Fabric is said to be processed and delivered within 24 hrs of its receipt at finishing plant. Brochure describes crush velvet, cure, resize, deodorization, fab-bac, mildewproof, mothproof, stabilizing and shrink process; also Scotchgard and ZePel. Pick-up service is offered only in the L.A. and N.Y. areas, but delivery in any area may include a dozen drop-shipments. Includes prices, specs, and properties of finished fabric. 8 pages. Perma-Dry Div., Kiesling-Hess Finishing Co., Inc., 519 W. 38th St., New York, N.Y. Circle 217, Readers' Service Card

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On Readers' Service Card, Circle No. 410
NEXT MONTH IN P/A

SACRED TO SECULAR. Many religious bodies are realigning their basic approaches along sacred-secular lines, with more emphasis than formerly on the latter. This, naturally, is having a noticeable effect on the design of buildings for church groups. A major article on the phenomenon will appear in December P/A, with significant illustrated examples from California, Missouri, Texas, and New York.

SUPERTRUSS. The Alcoa Building by Skidmore, Owings & Merrill in San Francisco's Golden Gateway Center brings that redevelopment up to date architecturally. A first-hand observation will appear in December.

CONCERN. Carlin, Pozzi & Associates designed the New Haven Regional Center for Mentally Retarded Persons with care, compassion, and concern. It will be featured in December P/A.

EXTERIOR EXTROVERTS. P/A has covered the great new things going on indoors with Supergraphics. This article, to appear in December P/A, will show what is going on outside in the same supergenre.

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