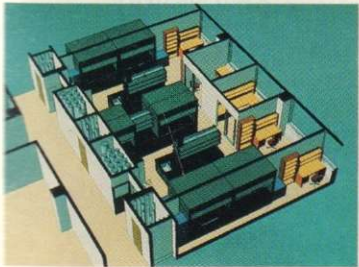


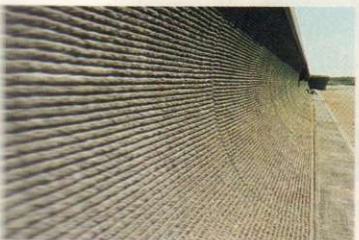
page 84



page 97



page 114



page 135

BUILDING TECHNOLOGY

113 WHAT'S ZAPPING YOU

We don't know how harmful electromagnetic-field radiation is, but some protective measures are available now.

114 ALDEN PARK: ANATOMY OF A WALL FAILURE

A huge Philadelphia restoration project repairs masonry-clad concrete.

122 COMPUTER TECHNOLOGY

AUTOCAD 386 Release 11: This latest release is a full 3-D CAD package, more network-friendly than earlier versions. It allows multiple views on the same drawing ("paper space") and has good links to external files.

133 NEW PRODUCTS

Reinforced Stone Veneer: New Italian technology produces panels of natural stone—marbles, granite, and limestones—as thin as a pane of glass.

135 **Color in Concrete:** Chromatic materials, applied either as an integral colorant or as a surface finish, increase the decorative impact of concrete.

137 **Glazing:** New glazing products—in acrylic, polycarbonate, and glass—widen the range of options available for both architectural and special applications.

PRACTICE

27 PRACTICE NEWS

30 **Getting Clients' Attention.** Society for Marketing Professional Services awards, juried by clients, reveal the most effective communication materials. By Ernest Burden

34 **Overseas Work: How to Manage It.** A RECORD roundtable. Part two. How to get the work done after you get that commission abroad. The experts report their experiences.

40 **New Kid on the Block.** Part two of a series on information management covers computer-based expert systems. By David Kent Ballast

44 **Contemporary Details: A Sampler.** New and old production techniques, often combined, are meeting the demands of complex design technology. By Norma Sklarek

48 **Construction Finance: Besting the Down Side.** Factors conspire to push off the bottoming out of several building types to late in the year. By Phillip Kidd

50 **Beyond Computers as Pencils.** Part two of a series reveals the latest techniques for integrating computers into your practice. By Kristine Fallon

54 **Specifications Series Part two: Roofing.** New short forms may prove a better specifications method for a troublesome building component. By John A. Raeber

59 BOOKS

Making Connections. In his new book, Tony Hiss argues that contemporary society has lost touch with both the built and the natural environments.

4	Letters	138	Product Literature
11	Editorial	140	Manufacturers' Sources
15	Design News	145	Advertising Index
57	Calendar	147	Reader Service Card
126	Classified Advertising		

Università degli Studi di Trento
 Sistema Bibliotecario di Ateneo
 BIBLIOTECA DI INGEGNERIA
 Via Mesiano, 77 I-38123 TRENTO
 Tel.: 0461 281956, Fax: 0461 281918
 bibliotecaingegneria@unitn.it

CONTENTS



page 15



page 64



page 72



page 78

FEATURES

63 IN THIS ISSUE

64 TOTAL IMMERSION

Visitors to Cambridge Seven Associates' Osaka Aquarium circumnavigate the Pacific Rim from the Aleutians to Antarctica, from mountain forest to ocean floor.

72 SOURCES OF INSPIRATION

Two recent projects by Jeffrey Hildner for a private nursing home in Princeton, New Jersey, reconcile the architect's interest in art and the client's emphasis on utility.

78 A PLACE APART

A modern-day mission nestled in the coastal hills near San Diego is a typical Charles Moore blend of tradition and spatial ingenuity.

84 REGIONAL PORTFOLIO: TEXAS

Lone Stars: RECORD's Houston correspondent Gerald Moorhead traveled across Texas in search of a modern-day regional vernacular. His findings, reported here, include five modest buildings by five small firms, all of which may suggest the beginnings of a distinctly Texan school of architecture.

BUILDING TYPES STUDY 688

97 RESEARCH LABORATORIES: A MOVING TARGET

With goals and tools of research changing, the completed projects featured here reflect strategies for keeping up.

100 **Flexible Spine:** AT&T Solid State Technology Center, Breinigsville, Pennsylvania; Davis, Brody & Associates, Architects

104 **Stepping Out:** The Center for Biotechnology, Cornell University, Ithaca, New York; Davis, Brody & Associates, Architects

106 **A Place in the Sun:** Noble Research Center, Stillwater, Oklahoma; The Architects Collaborative, Architect

107 **Agrarian Village:** Northern Crop Science Laboratory, Fargo, North Dakota; Hammel Green and Abrahamson, Architects

108 **Urban Ecology:** Earth Sciences Centre, Toronto, Ontario; A. J. Diamond, Donald Schmitt and Company and Bregman + Hamann, Joint-Venture Architects

**SUPPLEMENT ON LIGHTING IS INCLUDED WITH THIS ISSUE
 (with U. S. and Canadian copies only)**